

TOP SECRET

PHOTOGRAPHIC INTERPRETATION REPORT



MISSION 4030
13-20 JULY 1966

PART II

25X1

JULY 1966

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TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

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OAK - PART II

MISSION 4030

PREFACE

THIS IS THE SECOND AND FINAL OAK REPORT ON MISSION 4030 AND PROVIDES INFORMATION ON THE HIGHEST PRIORITY COMMITTEE ON OVERHEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY. THE REMAINDER OF THE COMOR TARGETS COVERED ON THIS PHOTOGRAPHY WILL BE REPORTED IN A SERIES OF OAK SUPPLEMENTS.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS, SUFFIXED WITH A FOR ASCENDING AND D FOR DESCENDING, ARE LISTED FIRST, FOLLOWED BY FRAMES WHICH ARE INDICATED BY THE FRAME NUMBER WITH AN INDEX NUMBER RUNNING CONSECUTIVELY FROM THE BEGINNING OF EACH PASS -- 4/8 FOR EXAMPLE, MEANS FRAME 4, INDEX 8. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE INDEX NUMBER TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE -- C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), S (SNOW), O (OBLIQUITY), SD (SEMIDARKNESS), D (DARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), AND GR (GROUND RESOLUTION). COLOR COVERAGE IS DESIGNATED BY THE LETTER C IMMEDIATELY FOLLOWING FRAME NUMBERS.

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF PHOTOGRAPHIC COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS INDICATED BY ST (STEREO), PS (PARTIAL STEREO), OR NS (NON-STEREO).

THE INITIAL SCAN OF THE PHOTOGRAPHY IS ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERIS DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR

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ALTERATIONS. MOREOVER, RECIPIENTS ARE CAUTIONED THAT THE IDENTIFICATION OF TARGETS IS BASED PRIMARILY ON PHOTOGRAPHY AND DOES NOT CONSTITUTE A FINISHED INTELLIGENCE JUDGMENT.

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Highlights

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25X1HIGHLIGHTS

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1. MISSILE ACTIVITY

NPIC IS NOW USING THE TARGET DATA INVENTORY (TDI) SYSTEM OF DESIGNATING DEPLOYED ICBM SITES. FOR EASE OF FAMILIARIZATION DURING THIS TRANSITION PERIOD, THE FORMER NPIC ALPHABETICAL DESIGNATOR WILL BE SHOWN IN PARENTHESES IMMEDIATELY FOLLOWING THE NEWLY ADOPTED NUMERICAL DESIGNATORS. ALSO, THE GUIDED MISSILE AND ASTRONAUTIC INTELLIGENCE COMMITTEES (GMAIC) NEW SYSTEM OF DESIGNATING THE LAUNCH ELEMENTS AT THE TYURATAM MISSILE TEST CENTER IS NOW BEING UTILIZED. SEE TABLE 3 FOR THIS DESIGNATOR LISTING.

2. YURYA ICBM COMPLEX

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MISSILES ARE ERECTED ON BOTH PADS AT LAUNCH SITES 3 AND 7 AND ON ONE PAD AT LAUNCH SITE 8.

3. TYURATAM MISSILE TEST CENTER

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PART OF THE TEST CENTER INCLUDING LAUNCH COMPLEXES G AND PART OF LAUNCH GROUPS K, L, M AND N IS OBSERVED ON STEREO PHOTOGRAPHY. CONSTRUCTION ACTIVITY CONTINUES AT LAUNCH AREA G1-G2 AND THE SECURITY FENCE AT G3-G4 IS BEING RELOCATED TO ENCOMPASS A LARGER AREA.

4. GLADKAYA ICBM COMPLEX

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A TYPE IIID LAUNCH SITE, SITE 41, IS NEWLY IDENTIFIED IN AN EARLY STAGE OF CONSTRUCTION. PROBABLE LAUNCH SITE 29 CAN NOW BE CONFIRMED.

5. TATISHCHEVO ICBM COMPLEX

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A TYPE IIID SITE, SITE 98, IS NEWLY IDENTIFIED IN A MID-STAGE

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OF CONSTRUCTION. THREE PROBABLE MISSILES ON TRANSPORTERS ARE OBSERVED IN FRONT OF RIM BUILDINGS IN THE TRANSFER POINT. POSSIBLE DUMMY TANKS ARE SEEN EAST OF THE SILO GRADED ACCESS AT BOTH LAUNCH SITES 5 AND 15. SITE 77 IS NOW CONSIDERED TO BE A PROBABLE CONTROL SITE. POSSIBLE LAUNCH SITES 80, 90, AND 95 ARE NOW CONFIRMED.

6. KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER

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THE SSM LAUNCH FACILITIES ARE COVERED BY CLEAR STEREO PHOTOGRAPHY. TWO AERODYNAMIC VEHICLES ARE OBSERVED AT LAUNCH AREA 3D, 2 POSSIBLE TRANSPORTER/ERECTORS AND A POSSIBLE TRANSPORTER ARE AT LAUNCH COMPLEX E, PREPARATION FOR A PROBABLE SS-4 EXERCISE IS OBSERVED AT LAUNCH AREA 3C, AN EXERCISE IS UNDERWAY ON THE SOUTH PAD OF LAUNCH SITE 5C-1, AND MODIFICATION CONTINUES AT LAUNCH SITE 4C-1.

7. SHUANG-CHENG-TZU MISSILE TEST CENTER

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LAUNCH PAD A-1 NOW HAS 2 ADDITIONAL LAUNCH POINTS IN ADDITION TO THE ORIGINAL POSITION. CONSTRUCTION CONTINUES AT LAUNCH COMPLEX B AND THE NEW PAD AT LAUNCH COMPLEX C HAS BEEN EXTENDED.

8. CALCUTTA SAM SITE (MISSILE BONUS)

THIS NEWLY IDENTIFIED SITE IS UNDER CONSTRUCTION 3.8 NM ENE OF CALCUTTA. IT CONSISTS OF 1 LAUNCH POSITION IN A LATE STAGE OF CONSTRUCTION AND 5 LAUNCH POSITIONS IN EARLY-TO MID-STAGES OF CONSTRUCTION. THE CENTRAL GUIDANCE AREA AND 3 MISSILE-HOLD POSITIONS ARE IN MID-STAGES OF CONSTRUCTION.

9. KOTOVSK SAM SUPPORT FACILITY (MISSILE BONUS)

UNIDENTIFIED ACTIVITY ADJACENT TO THE NORTH EDGE OF THE FACILITY CONSISTS OF A GORKIY-TYPE REVETMENT, A T-SHAPED SERVICE ROAD WITH A REVETMENT AT EACH END OF THE BAR PORTION OF THE T, A GRADED OR SURFACED PARKING APRON, 3 SMALL STRUCTURES, AND 2 DOME-LIKE OBJECTS.

10. AS SUWAYS SAM SITE B33-2 (MISSILE BONUS)

LOCATED 17.2 NM NW OF AS SUWAYS, THIS SITE CONSISTS OF 6 REVETTED, UNOCCUPIED LAUNCH POSITIONS, AN UNRETVETTED CENTRAL GUIDANCE AREA AND NUMEROUS SUPPORT BUILDINGS.

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11. NAN-NING AIRFIELD SOUTH

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FOUR FISHBED AND 20 FARMER ARE OBSERVED.

12. HSING-LUNG-CHUANG NUC WPNS COMPLEX

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GOOD COVERAGE PRESENTS THE FIRST EVIDENCE THAT THIS PLANT, OR PARTS OF THIS PLANT, ARE IN OPERATION.

STATUS OF COMOR TARGET READOUT

THIS OAK REPORTS ON 192 COMOR TARGETS.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY OBSERVED ON THIS MISSION AND NPIC CURRENT MISSILE LISTINGS IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

TABLE 1 -- SOVIET ICBM DEPLOYMENT
TABLE 2 -- TYURATAM MISSILE TEST CENTER
TABLE 3 -- NEW DESIGNATORS, TYURATAM MISSILE TEST CENTER
TABLE 4 -- SOVIET MRBM AND IRBM DEPLOYMENT
TABLE 5 -- SAM AND ABM DEPLOYMENT
TABLE 6 -- DATE/TIME OF PHOTOGRAPHIC PASSES

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TABLE 1. SOVIET ICBM DEPLOYMENT

COMPLEX	TYPE I				TYPE II								TYPE III								New Positions	Total Launch Positions	Last Effective Coverage		
	A		B		A		B		C		D		B		C		D		UNDETERMINED						
	Sites	Launchers	Sites	Launchers	Sites	Launchers	Sites	Launchers	Sites	Launchers	Sites	Launchers	Sites	Launchers	Sites Launchers	Complete	Sites Launchers	Complete	Sites	Launchers				Complete	
★ ALEYSK																11 Launchers	2						11	May 66	
★ DOMBAROVSKIY																24(3#)	3						24(3#)	Jun 66	
★ DROVYANNAYA						1	2				2	4	3	9				39(1#)	9				54(1#)	Jun 66	
★ GLADKAYA											2	4	1	3				31(2#)	6				38(2#)	May 66	
★ IMENI GASTELLO																18	4						18	Jun 66	
★ ITAIKA							2	4			1	2											6	Jun 66	
★ KARTALY																19(1#)	3						19(1#)	Jun 66	
★ KOSTROMA							4	8				2	4	1	3			4(2#)					19(2#)	Jun 66	
★ KOZELSK										3	6				2	6		8(1#)					20(1#)	Jun 66	
★ NOVOSIBIRSK							1	2			2	4	2	6									12	Jun 66	
★ OIOVYANNAYA														3	9			64	4				73	May 66	
★ OMSK														1	3								3	May 66	
★ PERMA							3	6			2	4	1	3				44(9#)	2			5	57(9#)	Jun 66	
★ PLESetsk*	4	4	2	4	1	2	1	2	2	4			1	3						5	12(2#)		31(12#)	Jun 66	
★ SHADRINSK																							9	May 66	
★ SVOBODNIY							3	6			4	8	1	3				18(2#)					35(2#)	Jun 66	
★ TATISHCHEVO																		79(8#)	10				1	79(8#)	Jun 66
★ TEKHOVO							3	6			3	6											12	Jun 66	
★ TYUMEN									2	4													4	Jun 66	
★ UZHUR																23(1#)	6						23(1#)	Jun 66	
★ VERKHNYAYA SALDA					2	4	3	6			2	4	2	6									20	Jun 66	
★ YEDROVO							2	4			4	8	2	6				15(3#)					33(3#)	Jun 66	
★ YOSHKAROLA								3	6		3	6											12	Jun 66	
★ YURYA					2	4	3	6			3	6	3	9									25		
★ ZHANGIZ-TÖBE																18(1#)							18(1#)	Jun 66	
TOTALS	4	4	2	4	5	10	29	58	7	14	30	60	23	69	3	9	113(6#)	18	302(28#)	31	5	12(2#)	6	655(46#)	

DOES NOT INCLUDE 2 SSN PADS AT LAUNCH AREA F

NOTE: # POSSIBLE. THE POSSIBLE SITES ARE INCLUDED IN THE TOTAL COUNT

★ COVERED THIS MISSION

12 UNIDENTIFIED TYPE POSSIBLE SITES AT PLESetsk

TOTAL SINGLE SITES 315 (34#)

* DOES NOT INCLUDE 2 SSN PADS AT LAUNCH AREA F

NOTE: # POSSIBLE. THE POSSIBLE SITES ARE INCLUDED IN THE TOTAL COUNT

★ COVERED THIS MISSION

12 UNIDENTIFIED TYPE POSSIBLE SILOS AT PLESetsk

TOTAL SINGLE SILOS 415 (24#)

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TABLE 3. TYURATAM MISSILE TEST CENTER

COMOR NO.	COMPLEX/ GROUP	LAUNCH AREA/ SITE	NEW GMAIC DESIGNATORS	FORMER NPIC DESIGNATORS	FORMER TDI DESIGNATORS
	Complex A	LA A	Pad A1, A2, A3	A1, A2, A4	1
	Complex B	LA B1	Pad B1	B1	2
	Complex B	LA B2	Pad B2	B3	17
	Complex C	LA C	Pad C1, C2, C3	C1, C2, C3	3
	Complex D	LA D1	Silos L, C, R*	D1	4
	Complex D	LA D2	Silos L, C, R*	D2	9
	Complex E	LA E	Pad E1, E2, E3	E1, E2, E3	6
	Complex F	LA F	Silos, L, C, R*	F	5
	Complex G	LA G1-G2	Pad G1, G2	G1, G2	7
	Complex G	LA G3-G4	Pad G3, G4	G3, G4	11
	Complex G	LA G5-G6	Pad G5, G6	G5, G6	12
	Complex H	LA H1-H2	Pad H1, H2	H1, H2	8
	Group I	Sites I1, I2, I3	Silo I1, I2, I3	I1, I2, I3	14, 32, 36
	Group I	Site I4	Silo I4	A3	15
	Group I	Sites I5, I6	Silo I5, I6	B2, B4	16, 35
	Complex J	LA J1-J2	Pad J1, J2	J1, J2	31
	Group K	Site K1-K2	Silo K1, K2	K1-K2	13
	Group K	Site K3	Silo K3	G-7	18
	Group L	Sites L1-L10	Silos L1-L10	L1-L10	29, 27, 22, 21, 25, 26, 30, 28, 23, 24
	Group M	Sites M1, M2	Silos M1, M2	M1, M2	33, 34
	Group M	Sites M3	Silo M3	M3	37
	Group N	Site N1	Silo N1	K3	20
	Group N	Site N2-N3	Silo N2, N3	G8-G9	19

* L, C, R - Left, Center, Right Silos

NOTE : The Guided Missile and Astronautic Intelligence Committee's (GMAIC) new system of designating the launch elements at the Tyuratam Missile Test Center has been implemented. Since this differs in several cases from the former NPIC system, the above table has been prepared to aid in familiarization. Column 1 shows the COMOR number for the specific target. Column 2 shows the NPIC alphabetical designator for each major launch complex or group. Column 3 shows the NPIC letter-numerical designators for launch areas or sites. Column 4 shows the new GMAIC designators for individual launchers. Column 5 shows the previous NPIC designation of individual launchers. Column 6 shows the former Target Data Inventory (TDI) designations.

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Table 4. Soviet MRBM and IRBM Deployment

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	120	11	18	10	159	624
Caucasus	3		2	3	8	29
Central Asia	2	3	1	3	9	33
Far Eastern	10	1		1	12	47
Totals	135	15	21	17	188	733

Totals do not include: 97 fixed field-type sites with total of 364 launch positions and one launch facility at Sovetskaya Gavan

Table 5. SAM and ABM Deployment

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*Does not include alternate sites, USSR
**Total reflects individual sites

± Complexes are probably long range SAM associated
±± Complexes are probably ABM associated

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Missiles

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PLESETSK ICBM COMPLEX

UR 6254N 04038E

CONSTRUCTION CONTINUES IN THE UNIDENTIFIED AREA SW OF THE AIRFIELD. THE RAIL LINE SERVING THE AREA HAS BEEN CONNECTED TO THE MAIN SPUR SERVING THE COMPLEX AND 1 RAIL CAR IS OBSERVED. THE AREA WILL PROBABLY HAVE A WELL DEFINED GEOMETRIC ROAD PATTERN WITH WIDE RADIUS TURNS. NUMEROUS FOOTINGS OR DITCHES ARE OBSERVED BUT LACK OF STEREO PRECLUDES DETAILED INTERPRETATION. NO ADDITIONAL MAJOR STRUCTURES HAVE BEEN CONSTRUCTED SINCE MAY-JUN 66. THE UNIDENTIFIED AREA EAST OF THE ADMINISTRATION AND HOUSING AREA AND THE BOW AND ARROW INTERFEROMETER ARE NOT COVERED.

NO NEW MISSILE FACILITIES IDENTIFIED WITHIN PORTIONS OF SEARCH AREA COVERED ON PHOTOGRAPHY.

PLESETSK ICBM COMPLEX SUPPORT FACILITY

UR 6254N 04038E

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

PLESETSK ICBM RAIL-TO-ROAD TRANSFER POINT UR 6255N 04044E

SIX CONVENTIONAL RAIL CARS AND 6 SHORT LIGHT-COLORED PROBABLE TANK CARS ARE PARKED ON THE RAIL. ONE PROBABLE TANK TRUCK AND 1 POSSIBLE TANK TRAILER ARE PARKED ON THE LOOP ROAD. NO NEW CONSTRUCTION OBSERVED.

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PLESETSK ICBM LAUNCH SITE 2 (III)

UR 6256N 04031E

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ONLY A SMALL PORTION OF THE SUPPORT FACILITIES FOR LAUNCH SITE 2 WERE OBSERVED ON NON-STEREO PHOTOGRAPHY. NO SIGNIFICANT CHANGE OBSERVED. CONSTRUCTION CONTINUES AT THE ASSOCIATED ELECTRONIC FACILITY NOW IDENTIFIED AS A TELEMETRY/TRACKING FACILITY. IT CONTAINS 1 LARGE CONTROL BUILDING, 4 CONTROL/SUPPORT BUILDINGS AND AT LEAST 16 OTHER BUILDINGS. AT EACH END OF THE LARGE CONTROL BUILDING IS A ESV-TYPE TRACKING STRUCTURE, 1 OF WHICH HAS A ENVIRONMENTAL DOME ON TOP. THE SECOND HAS THE CIRCULAR RING MOUNTING FOR AN ENVIRONMENTAL DOME ON TOP. SIX PEDESTALS, PROBABLY MOUNTS FOR TRACKING AND TELEMETRY ANTENNAS, ARE POSITIONED IN A LINE IN FRONT OF THE SE CONTROL/SUPPORT BUILDING. TWO POSSIBLE INSTRUMENTATION POSITIONS ARE LOCATED SE OF THE BUILDING AND ARE CONNECTED BY APPARENT CABLE SCARS. JUST WEST OF THE SCARS IS A PROBABLE MICROWAVE TOWER. TWO ADDITIONAL SCARS EXTEND SW FROM THE GRADED AREA OF THIS FACILITY TO A PROBABLE INSTRUMENTATION POSITION. OPEN DITCHING AND AN IRREGULAR EXCAVATION INDICATE CONTINUING CONSTRUCTION.

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PLESETSK ICBM LAUNCH SITE 3 (IV)

UR 6257N 04041E

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TWELVE SHORT LIGHT-COLORED RAIL CARS ARE ALONG A RAIL SPUR LEADING TO THE LAUNCH PAD.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

(SEE ATTACHMENT)

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PLESETSK ICBM LAUNCH SITE 4 (A)

UR 6258N 04046E

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FIVE DARK-COLORED VEHICLES/PIECES OF EQUIPMENT AND 1 LIGHT-COLORED, PROBABLY CANVAS-COVERED POSSIBLE MISSILE TRANSPORTER ARE IN THE SUPPORT AREA TO THE REAR OF THE SITE.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

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PLESETSK ICBM LAUNCH SITE 5 (B)

UR 6303N 04057E

ONE VEHICLE IS LOCATED ON THE LOOP ROAD AT THE FORWARD END OF THE SITE. NUMEROUS VEHICLES/PIECES OF EQUIPMENT ARE IN THE SUPPORT AREA TO THE REAR OF THE SITE.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

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PLESETSK ICBM LAUNCH SITE 6 (C)

UR 6300N 04052E

A LARGE UNIDENTIFIED PIECE OF EQUIPMENT AND 2 SMALLER PIECES OF EQUIPMENT ARE POSITIONED ON THE APRON FORWARD OF THE SILOS. THE AREA SURROUNDING THE SILO APERTURE IS BRIGHT RED. THE SILO APERTURE IS BLACK SURROUNDED BY A THIN LIGHT-COLORED RING. ALL 3 SILO DOORS ARE OPEN ON [REDACTED] THE CENTER AND RIGHT SILO DOORS ARE OPEN ON [REDACTED] A PROBABLE WATER STANDPIPE IS PRESENT INSIDE 1 CORNER OF THE PROBABLE SPRAY POND. A LARGE PIECE OF UNIDENTIFIED EQUIPMENT IS LOCATED ADJACENT TO ONE OF THE RIM BUILDINGS ON BOTH PASSES.

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PLESETSK ICBM LAUNCH SITE 7 (E)

UR 6251N 04034E

A NEWLY IDENTIFIED STRUCTURE IN AN EXCAVATION IS LOCATED FORWARD OF THE LEFT PAD. IT IS NOT KNOWN IF THE STRUCTURE IS NEW OR WAS PREVIOUSLY PRESENT AND HAS BEEN RE-EXCAVATED. ANOTHER NEWLY IDENTIFIED CIRCULAR,

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SHALLOW EXCAVATION IS FORWARD OF THE RIGHT PAD, ABOUT MID-POINT BETWEEN THE PAD AND THE FORWARD FENCE. A DITCH LEADS FROM THE EXCAVATION TO THE RIGHT PAD. NO VEHICLES OR EQUIPMENT OBSERVED.

PLESETSK ICBM LAUNCH SITE 8 (D)

UR 6253N 04047E

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

PLESETSK ICBM LAUNCH SITE 9 (G)

UR 6253N 04051E

CONSTRUCTION IS IN A LATE STAGE AND APPROACHING COMPLETION. SOME DITCHING AND A FEW SMALL EXCAVATIONS ARE PRESENT. THE LOOP ROAD SERVING THE PADS REQUIRES ADDITIONAL CONSTRUCTION. THE GANTRY APPEARS COMPLETE AND IS NOW POSITIONED IMMEDIATELY TO THE REAR OF THE PAD. THE GANTRY TRACKS CROSS THE PAD AND STRADDLE THE SMALL APERTURE OR LAUNCH STAND WHICH IS PARTIALLY OBSCURED BY THE SHADOW OF THE GANTRY. BOTH PADS ARE FLAT AND HAVE SQUARE FENCES ENCLOSING THE CENTER OF EACH PAD. THERE IS A POSSIBLE BLAST DEFLECTOR PORT OUTBOARD OF EACH PAD. THE RIGHT PAD APPEARS TO HAVE GANTRY TRACKS IDENTICAL TO THOSE AT THE LEFT PAD BUT THERE IS NO EVIDENCE OF GANTRY CONSTRUCTION.

PLESETSK ICBM LAUNCH SITE 10 (H)

UR 6252N 04052E

CONSTRUCTION OF SITE 10 IS IN A LATE STAGE BUT REMAINS SLIGHTLY BEHIND THAT OF SITE 9 AND THEY ARE NOW NEAR MIRROR IMAGES. THE GANTRY REMAINS UNDER CONSTRUCTION. THE LOOP ROAD NET CONNECTING THE PAD IS NOT COMPLETE. GANTRY TRACKS ARE ALSO VISIBLE AT THE LEFT PAD BUT NO EVIDENCE OF GANTRY CONSTRUCTION CAN BE IDENTIFIED.

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PLESETSK SSM LAUNCH SITE 13 (F)

UR 6252N 04044E

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ONE LONG VEHICLE/PIECE OF EQUIPMENT IS PARKED ON THE LOOP ROAD, NUMEROUS VEHICLES/PIECES OF EQUIPMENT ARE PARKED ON AN APRON ADJACENT TO THE LOOP ROAD, AND 1 VEHICLE/PIECE OF EQUIPMENT IS PARKED IN FRONT OF THE READY BUILDING. NO CHANGE IN FACILITIES OBSERVED.

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PLESETSK ICBM PROB LAUNCH SITE 16

UR 6246N 04035E

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THIS PROBABLE SITE REMAINS UNDER CONSTRUCTION. SINCE MAY-JUN 66, VEGETATION HAS BEEN REMOVED FROM INSIDE THE LOOP ROAD PATTERN. AN ADDITIONAL RECTANGULAR EXCAVATION HAS BEEN DUG FORWARD OF EACH OF THE 2 PREVIOUSLY REPORTED RECTANGULAR EXCAVATIONS AND AN UNIDENTIFIED RECTANGULAR STRUCTURE IS PRESENT IN EACH OF THE NEWER EXCAVATIONS. APPARENTLY THEY WILL ALSO BE CONNECTED BY A PIPE OR CONDUIT. A LIGHT-COLORED, CIRCULAR OBJECT WITH A DARK CENTER IS LOCATED NEAR THE LEFT RECTANGULAR STRUCTURE. A NEARLY CIRCULAR SHALLOW EXCAVATION IS LOCATED NEAR THE RIGHT RECTANGULAR STRUCTURE. THE PREVIOUSLY IDENTIFIED RECTANGULAR STRUCTURE (ON LEFT SIDE) HAS BEEN BACKFILLED. ITS COMPANION STRUCTURE ON THE RIGHT SIDE AND A PORTION OF THE CONNECTING CONDUIT HAS BEEN COVERED WITH A DARK SUBSTANCE, PROBABLY FOR WATERPROOFING. THE CONDUIT IN THE T-SHAPED DITCH IS STILL VISIBLE. THE STEM OF THE T LEADS TO A FLAT, LIGHT-COLORED, APPROXIMATELY 50-FT-SQUARE BUILDING. CONTIGUOUS TO THAT BUILDING IS A LONG, DARK-COLORED, ARCH-ROOFED BUILDING. BOTH WILL PROBABLY BE EARTH MOUNDED. THE LARGE RECTANGULAR BUILDING PARALLEL TO THE ACCESS ROAD AND 3 SMALL BUILDINGS PERPENDICULAR TO THE ACCESS ROAD APPEAR COMPLETE.

25X1

YURYA ICBM COMPLEX

UR 5904N 04917E

NO NEW MISSILE FACILITIES OBSERVED IN CLOUD-FREE PORTIONS OF AREAS COVERED ON PHOTOGRAPHY.

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

25X1
25X1

25X1

25X1

YURYA ICBM LAUNCH SITE 1 (B)

UR 5909N 04939E

**NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.**

25X1

YURYA ICBM LAUNCH SITE 2 (A)

UR 5910N 04931E

A MISSILE IS PRESENT ON LEFT LAUNCH PAD.

**NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.**

25X1

YURYA ICBM LAUNCH SITE 3 (C)

UR 5913N 04925E

**AN APPARENT EXERCISE IS IN PROGRESS WITH MISSILES
ERECTED ON BOTH LAUNCH PADS. A MISSILE IS PRESENT IN
FRONT OF THE RIGHT MISSILE-READY BUILDING.**

**NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.**

25X1

YURYA ICBM LAUNCH SITE 4 (D)

UR 5916N 04922E

**NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.**

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

MISSION 4030, 13-20 JULY 1966

YURYA ICBM LAUNCH SITE 5 (E)

UR 5922N 04917E

IDENTIFICATION ONLY.

25X1
25X1

YURYA ICBM LAUNCH SITE 7 (F)

UR 5920N 04914E

AN APPARENT EXERCISE IS IN PROGRESS WITH MISSILES
ERECTED ON BOTH LAUNCH PADS. THREE MISSILES ARE
PRESENT IN FRONT OF THE LEFT MISSILE-READY BUILDING.
THE APRON IN FRONT OF THE LEFT MISSILE-READY BUILDING,
THE LEFT LAUNCH PAD, AND THE LOOP ROAD HAVE A MOTTLED
APPEARANCE.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

YURYA ICBM LAUNCH SITE 8 (H)

UR 5911N 04946E

A MISSILE IS ERECTED ON THE RIGHT LAUNCH PAD AND A
MISSILE IS PRESENT IN FRONT OF THE RIGHT MISSILE-READY
BUILDING.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

YURYA ICBM LAUNCH SITE 9 (J)

UR 5906N 04945E

A MISSILE IS PRESENT IN FRONT OF THE LEFT MISSILE-READY
BUILDING.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

YURYA ICBM LAUNCH SITE 10 (K)

UR 5913N 04918E

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

YURYA ICBM LAUNCH SITE 11 (I)

UR 5920N 04925E

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

TYURATAM MISSILE TEST CENTER

UR 4538N 06317E

NO NEW MISSILE FACILITIES IDENTIFIED IN THE CLOUD-FREE PORTIONS OF THE SEARCH AREA COVERED ON PHOTOGRAPHY. APPROXIMATELY 3 PERCENT OF THE AREA IS COVERED.

TYURATAM LAUNCH COMPLEX G

UR 4604N 06255E

G1-G2 -- CONSTRUCTION CONTINUES THROUGHOUT THE LAUNCH AREA. TWO STRUCTURES ARE UNDER CONSTRUCTION ON THE DOWNRANGE SIDE OF EACH OF THE EARTH-MOUNDED BUILDINGS FLANKING THE LAUNCH PADS. A PROBABLE CONDUIT CONNECTS THE NEW STRUCTURES WEST OF PAD G1 WITH THE BUILDING UNDER CONSTRUCTION IN THE EXCAVATION FORWARD OF PAD G1. AN ADDITIONAL STRUCTURE IS UNDER CONSTRUCTION ADJACENT TO EACH LAUNCH PAD ON THE DOWNRANGE SIDE. CONSTRUCTION AT PAD G2 APPEARS SIMILAR TO THAT AT G1 EXCEPT THAT IT HAS NOT PROGRESSED AS FAR. THE READY-BUILDING TO THE REAR OF PAD G2 IS BEING MODIFIED BY THE CONSTRUCTION OF AN ADDITION 100 FT LONG ON ITS SOUTHERN END. A CONSIDERABLE AMOUNT OF CONSTRUCTION MATERIAL AND EQUIPMENT IS LOCATED THROUGHOUT THE AREA. THE CYLINDRICAL OBJECTS, POSSIBLY MISSILES/COMPONENTS, PREVIOUSLY REPORTED IN FRONT OF THE READY BUILDINGS AT G1 AND G2 ARE STILL IN THE SAME POSITION. THE GANTRIES ARE LOCATED IN THEIR USUAL POSITIONS TO THE REAR OF THE

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

PADS.

G3-G4 --- THE SECURITY FENCE ON THE DOWNRANGE SIDE IS BEING RELOCATED TO ENCOMPASS A LARGER AREA. CLOUDS, CLOUD SHADOW, AND HAZE PRECLUDE INTERPRETATION OF THE REMAINING PORTION OF THE LAUNCH AREA.

G5-G6 --- NUMEROUS VEHICLES/PIECES OF EQUIPMENT ARE LOCATED THROUGHOUT THE AREA. OBSERVED ON PAD G5 ARE 2 LONG VEHICLES, A SHORT VEHICLE/PIECE OF EQUIPMENT, AND THE PREVIOUSLY REPORTED 4-LEGGED APPARATUS WITH A RING NEAR THE TOP. ON PAD G6 ARE 2 LONG VEHICLES/PIECES OF EQUIPMENT, 7 SHORTER VEHICLES/PIECES OF EQUIPMENT, AND A 4-LEGGED APPARATUS SIMILAR TO THE ONE ON G5. FOUR VEHICLES/PIECES OF EQUIPMENT ARE LOCATED IN THE SW CORNER OF THE LAUNCH AREA, 4 SHORT AND 8 LONG VEHICLES/PIECES OF EQUIPMENT ARE PARKED ALONG THE EAST FENCE LINE, 17 VEHICLES/PIECES OF EQUIPMENT ARE PARKED IN THE SE CORNER OF THE LAUNCH AREA AND 5 VEHICLES/PIECES OF EQUIPMENT ARE LOCATED BETWEEN THE PADS.

(SEE ATTACHMENT)

TYURATAM LAUNCH GROUP K (SITE K3)

UR 4604N 06256E

TWO ROAD-SERVED HARDSTANDS ARE UNDER CONSTRUCTION ALONG THE SOUTH FENCE LINE. A PAIR OF LATTICE TOWERS, SIMILAR TO THOSE OBSERVED AT LAUNCH AREA K1-K2, HAVE BEEN CONSTRUCTED TO THE REAR OF THE SILO. THE SILO DOOR IS OPEN AND A SMALL VEHICLE/PIECE OF EQUIPMENT WITH AN INCLINED MEMBER IS PARKED AT THE SILO. TWO OTHER SMALL VEHICLES/PIECES OF EQUIPMENT ARE PARKED NEARBY.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

25X1

25X1

TYURATAM LAUNCH GROUP L (SITE L1)

UR 4603N 06259E

A STACK IS IDENTIFIED ON THE SMALL BUILDING NEAR THE WEST FENCE LINE. THE SILO DOOR IS OPEN ON BOTH PASSES. AT LEAST 3 SMALL VEHICLES/PIECES OF EQUIPMENT ARE IN AND ABOUT THE SITE ON PASS 8D.

25X1

25X1

TYURATAM LAUNCH GROUP L (SITE L2)

UR 4606N 06300E

THE SILO DOOR IS OPEN.

THE SITE CAN BE IDENTIFIED ONLY.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

25X1

TYURATAM LAUNCH GROUP L (SITE L5)

UR 4559N 06257E

THE SILO DOOR IS OPEN AND A RING AND A SMALL VEHICLE/PIECE OF EQUIPMENT ARE ON THE APRON NEAR THE SILO.

25X1

THE SILO DOOR IS CLOSED AND A SMALL VEHICLE/PIECE OF EQUIPMENT IS PARKED BESIDE THE LEVEL ACCESS.

25X1

25X1

TYURATAM LAUNCH GROUP L (SITE L6)

UR 4601N 06253E

THE SILO DOOR IS OPEN. FOUR VEHICLES/PIECES OF EQUIPMENT ARE PARKED ON THE APRON NEAR THE SILO AND 2 VEHICLES/PIECES OF EQUIPMENT ARE PARKED EAST OF THE LEVEL ACCESS. THREE VEHICLES/PIECES OF EQUIPMENT ARE PARKED OUTSIDE THE SECURITY FENCE NEAR

25X1

25X1

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

THE ENTRANCE TO THE SITE.

[REDACTED], AT LEAST 1 VEHICLE/PIECE OF EQUIPMENT IS
PARKED ON THE APRON NEAR THE SILO. THE POSITION OF THE
DOOR CANNOT BE DETERMINED.

TYURATAM LAUNCH GROUP L (SITE L7)

UR 4605N 06255E

THE SILO DOOR IS OPEN AND A RING IS ON THE APRON
ADJACENT TO THE SILO. A LONG VEHICLE/PIECE OF
EQUIPMENT IS PARKED ON THE LEVEL ACCESS AND A SMALL
VEHICLE/PIECE OF EQUIPMENT IS PARKED NEAR THE ENTRANCE
TO THE EARTH-MOUNDED BUILDING JUST NW OF THE SILO.

TYURATAM LAUNCH GROUP M (SITES M1,M2)

UR 4603N 06302E

SITE M1 -- A SMALL SQUARE, SHALLOW EXCAVATION HAS BEEN
DUG AROUND THE TOP OF THE SILO CASING.

SITE M2 -- A DITCH HAS BEEN DUG PARALLELING AND BETWEEN
THE SECURITY FENCES. THE DITCH EXTENDING NORTHWARD
FROM THE SITE IS BEING BACKFILLED AND A SECOND DITCH IS
BEING OPENED FROM THIS DITCH TO THE EAST. A
RECTANGULAR STRUCTURE IS UNDER CONSTRUCTION IN THE
AUXILIARY EXCAVATION. A CONDUIT IS UNDER CONSTRUCTION
IN THE DITCH LEADING TO A SECOND SMALLER STRUCTURE TO
THE EAST.

TYURATAM LAUNCH GROUP N (SITE N2-N3)

UR 4604N 06257E

TWO SMALL VEHICLES/PIECES OF EQUIPMENT ARE PARKED ON
THE APRON AT N2. THE SILO DOOR IS CLOSED. THE APRON
AT N3 IS CLUTTERED WITH NUMEROUS SMALL VEHICLES/PIECES
OF EQUIPMENT. THE SILO DOOR IS OPEN.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

GLADKAYA ICBM COMPLEX

UR 5606N 09214E

TWENTY-FIVE PERCENT OF THE SEARCH AREA IS COVERED ON PHOTOGRAPHY, OF WHICH 20 PERCENT IS CLEAR.

A TYPE IIID SITE, SITE 41, IS NEWLY IDENTIFIED IN AN EARLY STAGE OF CONSTRUCTION APPROXIMATELY 24 NM ENE OF THE COMPLEX SUPPORT FACILITY AT 56-14N 092-52E.

GLADKAYA ICBM LAUNCH SITE 16 (G1)

UR 5614N 09145E

SITE REMAINS IN LATE STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

GLADKAYA ICBM LAUNCH SITE 21 (G4)

UR 5613N 09200E

IDENTIFICATION ONLY.

GLADKAYA ICBM LAUNCH SITE 28 (H3)

UR 5611N 09245E

IDENTIFICATION ONLY.

GLADKAYA ICBM LAUNCH SITE 29 (H8)

UR 5612N 09250E

SITE CAN BE CONFIRMED AND IS IN MID-STAGE OF CONSTRUCTION.

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

NOVOSIBIRSK ICBM COMPLEX

UR 5515N 08259E

NO NEW MISSILE FACILITIES OBSERVED WITHIN PORTIONS OF
50-NM SEARCH AREA COVERED ON PHOTOGRAPHY.

NOVOSIBIRSK ICBM LAUNCH SITE 1 (B)

UR 5518N 08301E

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

NOVOSIBIRSK ICBM LAUNCH SITE 5 (E)

UR 5519N 08256E

A POSSIBLE MISSILE ON TRANSPORTER IS ON THE LEFT PAD.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

KOZELSK ICBM COMPLEX

UR 5356N 03549E

COMPLEX IS NOT COVERED.

NO MISSILE ACTIVITY OBSERVED ON PORTION OF SEARCH AREA
COVERED ON PHOTOGRAPHY.

ZHANGIZ-TOBE ICBM COMPLEX

UR 4912N 08109E

NO NEW MISSILE FACILITIES OBSERVED WITHIN CLOUD-FREE
PORTIONS OF THE 50-NM SEARCH AREA COVERED ON
PHOTOGRAPHY.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

MISSION 4030, 13-20 JULY 1966

25X1

ZHANGIZ-TOBE ICBM LAUNCH SITE 13 (N) UR 4909N 08114E

THE LAUNCH SITE REMAINS IN MID-STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

ZHANGIZ-TOBE ICBM LAUNCH SITE 14 (M) UR 4910N 08121E

THE LAUNCH SITE REMAINS IN MID-STAGE OF CONSTRUCTION. THE L-SHAPED ELECTRONIC FACILITY CAN NOW BE CONFIRMED. CONSTRUCTION CONTINUES ON THE LEGS AND CONTROL BUNKER OF THE FACILITY. CONSIDERABLE DITCHING IS VISIBLE IN THE AREA. AN UNIDENTIFIED SECURED FACILITY CONTAINING 2 BUILDINGS IS IMMEDIATELY SOUTH OF THE SITE SUPPORT FACILITY AND IS CONNECTED TO IT BY TRACK ACTIVITY.

25X1

NO MISSILES OR MISSILE-RELATED EQUIPMENT OBSERVED.

25X1

ZHANGIZ-TOBE ICBM LAUNCH SITE 16 UR 4903N 08122E

THE LAUNCH SITE REMAINS IN MID-STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

ZHANGIZ-TOBE ICBM LAUNCH SITE 18 UR 4905N 08114E

THE LAUNCH SITE IS IN MID-STAGE OF CONSTRUCTION. NO MISSILES OR MISSILE-RELATED EQUIPMENT OBSERVED.

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

ALEYSK ICBM COMPLEX

UR 5228N 08242E

APPROXIMATELY 20 PERCENT OF THE SEARCH AREA IS COVERED ON 50 PERCENT CLOUD-COVERED PHOTOGRAPHY. NO NEW MISSILE-ASSOCIATED FACILITIES OBSERVED IN CLOUD-FREE AREAS.

ALEYSK ICBM COMPLEX SUPPORT FACILITY

UR 5228N 08242E

CONSTRUCTION CONTINUES IN THE AREA OF UNIDENTIFIED ACTIVITY 3,200 FT SE OF THE RAILHEAD AS REPORTED ON [REDACTED] JAN 65. A SECOND DRIVE-THROUGH BUILDING HAS BEEN CONSTRUCTED. TWO FLAT TOP TANKS AND A POSSIBLE BASE FOR A THIRD TANK ARE OBSERVED. A CONCRETE PAD WITH A CONSTRUCTION CRANE IS IMMEDIATELY WEST OF THESE TANKS. AN AREA CONSISTING OF 6 CIRCULAR CLEARED AREAS IS WEST OF A NEWLY IDENTIFIED HARD SURFACED ROAD. A STRUCTURE, POSSIBLY A HOPPER, WITH 2 CONVEYORS IS OBSERVED. FOUNDATIONS FOR NUMEROUS SMALL BUILDINGS ARE LOCATED THROUGHOUT THE FACILITY.

A SECOND AREA OF ACTIVITY, PROBABLY A WAREHOUSE/STORAGE AREA, LOCATED BETWEEN THE SUPPORT FACILITY AND ALEYSK CONSISTS OF APPROXIMATELY 20 WAREHOUSE-TYPE STRUCTURES OF VARIOUS SIZES AND A LARGE OPEN STORAGE AREA. THIS AREA HAS BEEN CONSTRUCTED SINCE [REDACTED] JAN 66.

ALEYSK ICBM LAUNCH SITE 7 (G)

UR 5223N 08246E

SITE REMAINS IN MID-STAGE OF CONSTRUCTION. THIS SITE WAS INCORRECTLY REPORTED IN LATE STAGE OF CONSTRUCTION ON [REDACTED] MAY 66.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

MISSION 4030, 13-20 JULY 1966

ALEYSK ICBM LAUNCH SITE 8 (H)

UR 5217N 08249E

25X1

THE SILO IS CLOUD COVERED BUT AN L-SHAPED ELECTRONIC FACILITY IS OBSERVED UNDER CONSTRUCTION. THE SITE IS NOW CONFIRMED AS A CONTROL FACILITY.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

ALEYSK ICBM LAUNCH SITE 9 (I)

UR 5215N 08239E

SITE REMAINS IN MID-STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

ALEYSK ICBM LAUNCH SITE 10 (J)

UR 5210N 08236E

SITE REMAINS IN MID-STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

ALEYSK ICBM LAUNCH SITE 11 (K)

UR 5211N 08243E

SITE IS NOW CONFIRMED AND IS IN MID-STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

IMENI GASTELLO ICBM COMPLEX

UR 5106N 06618E

NO NEW MISSILE FACILITIES OBSERVED WITHIN THE CLOUD-FREE PORTIONS OF THE 50-NM SEARCH AREA COVERED ON PHOTOGRAPHY.

IMENI GASTELLO ICBM LAUNCH SITE 15 (O) UR 5054N 06533E

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

IMENI GASTELLO ICBM LAUNCH SITE 17 (Q) UR 5101N 06541E

THE LAUNCH SITE IS IN MID-STAGE OF CONSTRUCTION AND IS CONFIRMED AS A CONTROL SITE. NINE POSSIBLE CYLINDRICAL TANKS ARE IN AN EXCAVATION ADJACENT TO THE CONTROL BUNKER WHICH IS UNDER CONSTRUCTION FOR THE ELECTRONIC FACILITY.

NO MISSILES OR MISSILE-RELATED EQUIPMENT OBSERVED.

IMENI GASTELLO ICBM LAUNCH SITE 18 (R) UR 5059N 06533E

THE LAUNCH SITE IS IN MID-STAGE OF CONSTRUCTION.

NO MISSILES OR MISSILE-RELATED EQUIPMENT OBSERVED.

TATISHCHEVO ICBM COMPLEX

UR 5140N 04534E

A TYPE IIID SITE, SITE 98, IS NEWLY IDENTIFIED APPROXIMATELY 17 NM NORTH OF THE COMPLEX SUPPORT FACILITY AT 51-57N 045-35E. THE SITE IS IN MID-STAGE OF CONSTRUCTION. A RECTANGULAR BUILDING APPROXIMATELY

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

30 X 75 FT IS LOCATED NW OF THE SILO EXCAVATION.

NO OTHER MISSILE ACTIVITY OBSERVED IN PORTIONS OF THE SEARCH AREA COVERED ON PHOTOGRAPHY.

TATISHCHEVO ICBM COMPLEX SUPPORT FACILITY UR 5140N 04534E

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM RAIL-TO-ROAD TRANSFER PT UR 5141N 04532E

THREE PROBABLE MISSILES ON TRANSPORTERS ARE IN FRONT OF THE PROBABLE MISSILE RIM BUILDINGS. THE PROBABLE MISSILES MEASURE APPROXIMATELY 8 X 75 FT. THE OVERALL LENGTH OF THE PROBABLE MISSILES ON TRANSPORTERS AND PRIME MOVERS IS 90 FT.

(SEE ATTACHMENT)

TATISHCHEVO ICBM LAUNCH SITE 1 (A1) UR 5148N 04539E

LAUNCH SITE AND CONTROL FACILITY ARE COMPLETE. TWO LARGE BUILDINGS ON THE NORTH SIDE ARE UNDER CONSTRUCTION. NO MISSILES OR MISSILE-RELATED EQUIPMENT OBSERVED.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

TATISHCHEVO ICBM LAUNCH SITE 2 (A2)

UR 5151N 04541E

LAUNCH SITE IS NOW COMPLETE.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 3 (A3)

UR 5148N 04545E

SITE IS NOW COMPLETE.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 5 (A5)

UR 5145N 04541E

SITE IS NOW COMPLETE. FIVE POSSIBLE DUMMY TANKS
MEASURING [REDACTED] IN DIAMETER AND A POSSIBLE DUMMY
BUILDING MEASURING 30 X 60 FT ARE ADJACENT TO THE EAST
SIDE OF THE GRADED SILO ACCESS. ALL ARE INSIDE THE
SITE SECURITY FENCE. A FRESHLY GRADED PERIMETER SCAR
SURROUNDS THE NORTH, EAST, AND SOUTH SIDES OF THE TANK
AREA. NO MISSILES OR MISSILE-RELATED EQUIPMENT
OBSERVED.

(SEE ATTACHMENT)

TATISHCHEVO ICBM LAUNCH SITE 6 (A6)

UR 5144N 04535E

SITE IS NOW COMPLETE.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

TATISHCHEVO ICBM LAUNCH SITE 7 (A7)

UR 5147N 04534E

CONSTRUCTION STATUS IS UNDETERMINED.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 8 (A8)

UR 5150N 04534E

SITE REMAINS IN LATE STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 9 (A9)

UR 5149N 04529E

SITE REMAINS IN LATE STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 10 (A10)

UR 5153N 04536E

IDENTIFICATION ONLY.

TATISHCHEVO ICBM LAUNCH SITE 11 (A4)

UR 5152N 04531E

CONSTRUCTION STATUS IS UNDETERMINED.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

TATISHCHEVO ICBM LAUNCH SITE 12 (B2) UR 5136N 04530E

SITE IS IN LATE STAGE OF CONSTRUCTION. EARTH-MOUNDING OF CONTROL BUILDINGS IS COMPLETE.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 13 (B7) UR 5134N 04523E

SITE IS NOW COMPLETE.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 14 (B1) UR 5133N 04529E

SITE IS NOW COMPLETE.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 15 (B4) UR 5132N 04535E

SITE IS NOW COMPLETE. SIX POSSIBLE DUMMY TANKS MEASURING [REDACTED] IN DIAMETER HAVE BEEN INSTALLED ADJACENT TO THE SILO GRADED ACCESS ON THE EAST SIDE, INSIDE OF THE SECURITY FENCE. A FRESHLY GRADED GROUND SCAR BORDERS THE NORTH, EAST, AND SOUTH PERIMETER OF THE TANK AREA. NO MISSILES OR MISSILE-RELATED EQUIPMENT OBSERVED.

(SEE ATTACHMENT)

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

TATISHCHEVO ICBM LAUNCH SITE 16 (B5)

UR 5129N 04528E

SITE IS NOW COMPLETE.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 17 (B3)

UR 5136N 04535E

SITE REMAINS IN LATE STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 19 (B6)

UR 5131N 04523E

SITE REMAINS IN LATE STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 21 (B9)

UR 5138N 04524E

SITE REMAINS IN LATE STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 28 (C2)

UR 5127N 04521E

SITE IS IN LATE STAGE OF CONSTRUCTION WITH SILO DOOR
AND EARTH-MOUNDED BUILDING COMPLETE.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 29 (B8)

UR 5129N 04533E

SITE IS NOW COMPLETE.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 30 (B10)

UR 5140N 04529E

SITE REMAINS IN LATE STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 35 (X1)

UR 5141N 04532E

SITE REMAINS IN LATE STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TATISHCHEVO ICBM LAUNCH SITE 45 (E1)

UR 5152N 04546E

SITE IS NOW IN MID-STAGE OF CONSTRUCTION. GRADED
ACCESS HAS NOT BEEN STARTED.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

25X1

25X1

25X1
25X1

TATISHCHEVO ICBM LAUNCH SITE 47 (E3)

UR 5155N 04543E

SITE IS NOW IN MID-STAGE OF CONSTRUCTION. GRADED ACCESS IS PARTIALLY COMPLETE.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TATISHCHEVO ICBM LAUNCH SITE 76

UR 5151N 04557E

SITE IS IN MID-STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TATISHCHEVO ICBM LAUNCH SITE 77

UR 5155N 04549E

SITE IS NOW IN MID-STAGE OF CONSTRUCTION AND IS A PROBABLE CONTROL SITE. CONSTRUCTION OF PROBABLE CONTROL BUILDINGS NE OF THE SILO CONTINUES.

25X1

TATISHCHEVO ICBM POSS LAUNCH SITE 78

UR 5159N 04551E

CONSTRUCTION STATUS IS UNDETERMINED. SITE REMAINS ONLY POSSIBLE.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

25X1

TATISHCHEVO ICBM POSS LAUNCH SITE 79

UR 5159N 04556E

25X1

CONSTRUCTION STATUS IS UNDETERMINED. SITE REMAINS ONLY POSSIBLE.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TATISHCHEVO ICBM LAUNCH SITE 80

UR 5204N 04543E

SITE IS CONFIRMED AND IN MID-STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TATISHCHEVO ICBM LAUNCH SITE 82

UR 5152N 04552E

SITE IS NOW IN MID-STAGE OF CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TATISHCHEVO ICBM POSS LAUNCH SITE 87

UR 5149N 04554E

CONSTRUCTION STATUS IS UNDETERMINED.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TATISHCHEVO ICBM LAUNCH SITE 90

UR 5146N 04527E

SITE CAN NOW BE CONFIRMED AND IS IN MID-STAGE OF CONSTRUCTION.

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

25X1

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

25X1

TATISHCHEVO ICBM POSS LAUNCH SITE 94 UR 5200N 04602E

25X1

CONSTRUCTION STATUS IS UNDETERMINED.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

25X1

TATISHCHEVO ICBM LAUNCH SITE 95 UR 5206N 04554E

SITE IS NOW CONFIRMED AND IS IN EARLY STAGES OF
CONSTRUCTION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

25X1

TATISHCHEVO ICBM POSS LAUNCH SITE 96 UR 5204N 04605E

CONSTRUCTION STATUS IS UNDETERMINED. SITE REMAINS ONLY
POSSIBLE.

25X1

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

25X1

KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR UR 4835N 04545E

NO NEW MISSILE FACILITIES OBSERVED IN CENTER 30 X 10-NM
SECTION OF THE 50-NM SEARCH AREA.

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

KAPUSTIN YAR LAUNCH COMPLEX A

UR 4842N 04615E

AT LEAST 20 UNIDENTIFIED VEHICLES ARE LOCATED IN THE SUPPORT AREA. NO MISSILES OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

KAPUSTIN YAR LAUNCH COMPLEX B

UR 4841N 04616E

TWO PROBABLE CARGO VEHICLES ARE IN THE SUPPORT AREA. NO MISSILES OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

KAPUSTIN YAR LCH COMPLEX C

UR 4836N 04616E

ACTIVITY IS EVIDENT THROUGHOUT LAUNCH COMPLEX C. CONSTRUCTION CONTINUES AT THE PROBABLE NEW LAUNCH AREA SOUTH OF LAUNCH AREA 5C. THE ROAD WHICH WILL SERVE THE AREA IS BEING GRADED, A WIDE RADIUS CURVE IS BEING CONSTRUCTED INTO THE AREA, AND A POSSIBLE FOUNDATION IS NOW UNDER CONSTRUCTION.

LAUNCH AREA 1C HAS VEHICLES/PIECES OF EQUIPMENT ON LAUNCH PADS 1C-1 AND 1C-3. AN ERECTOR IS AT THE CENTER OF LAUNCH PAD 1C-1 AND AT LEAST 4 SUPPORT VEHICLES ARE LOCATED ON OR NEAR THE PAD. AT LEAST 4 VEHICLES/PIECES OF EQUIPMENT ARE ON LAUNCH PAD 1C-3 NEAR THE 78-FT-LONG ERECTOR STRUCTURE AND 2 VEHICLES/PIECES OF EQUIPMENT ARE ON THE ROAD BETWEEN LAUNCH PADS 1C-1 AND 1C-3.

IN LAUNCH AREA 2C, A TOWER OR CRANE WITH AN APPROXIMATE HEIGHT OF 90 FT AND AT LEAST 3 VEHICLES/PIECES OF EQUIPMENT ARE AT CENTER OF PAD 2C-1. AT LEAST 2 OTHER VEHICLES/PIECES OF EQUIPMENT ARE ALSO ON THE PAD.

LAUNCH AREA 3C IS APPARENTLY PREPARING FOR AN SS-4 EXERCISE. AN SS-4 ERECTOR AND 10 SUPPORT VEHICLES ARE AT THE MAIN LAUNCH PAD. A MISSILE CHECKOUT TENT AND AT LEAST 8 SUPPORT VEHICLES ARE ON THE SW DUMBBELL PAD. AN SS-4 FUEL TRAILER, 2 SS-4 OXIDIZER TRAILERS, AND 8

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

25X1

MISSION 4030, 13-20 JULY 1966

SUPPORT VEHICLES ARE ON THE NE DUMBBELL PAD.

IN LAUNCH AREA 4C, THE RAIL-SERVED SILO IN LAUNCH SITE 4C-1 IS CLOSED AND AN UNIDENTIFIED PIECE OF EQUIPMENT IS ON THE RAIL BESIDE THE COVER. MODIFICATION CONTINUES AT THE NW SILO WHICH IS PARTIALLY OPEN. THE COVER RAILS HAVE BEEN EXTENDED TO THE NORTH AND 6 RINGS, EACH WITH AN INNER DIAMETER OF [REDACTED] AND A CRANE ARE NEARBY. A DARK CIRCLE APPROXIMATELY [REDACTED] IN DIAMETER (THE OUTER DIAMETER OF AN MRBM SILO) HAS BEEN ADDED ON THE TRANSFER APRON AT THE NE SILO WHICH IS OPEN. THE SE SILO IS OPEN AND APPEARS TO REMAIN UNCHANGED. THE BUILDING BETWEEN 4C-1 AND 4C-2 IS NOW COMPLETE. AT SITE 4C-2, THE SW SILO IS OPEN AND AN ERECTOR IS AT THE EDGE OF THE SILO. ANOTHER ERECTOR AND A PROBABLE TRAINING MISSILE ON A TRANSPORTER ARE ALSO PARKED IN THE AREA.

25X1
25X1

(SEE ATTACHMENT)

25X1

KAPUSTIN YAR LAUNCH COMPLEX D

UR 4828N 04618E

25X1

TWO DELTA-WINGED AERODYNAMIC VEHICLES WITH A LENGTH OF AT LEAST 60 FT AND A WING SPAN OF APPROXIMATELY 30 FT ARE IN LAUNCH AREA 3D. ONE IS PARKED ON A TRANSPORTER BEHIND THE LARGE DOUBLE DRIVE-THROUGH BUILDING AND THE OTHER, WITH THE TAIL ASSEMBLY PULLED, APPARENTLY FOR SERVICING, IS ON A PROBABLE TRANSPORTER-LAUNCHER AT THE LAUNCH POSITION. AT LEAST 11 SUPPORT VEHICLES ARE ADJACENT TO THIS VEHICLE AND AT LEAST 8 ARE PARKED NEARBY. TWO SUPPORT VEHICLES ARE ADJACENT TO THE VEHICLE BEHIND THE DRIVE-THROUGH BUILDING AND 3 ARE PARKED IN FRONT OF THIS BUILDING.

AT LEAST 24 VEHICLES/PIECES OF EQUIPMENT ARE PARKED ON A HOLD APRON IN LAUNCH AREA 2D.

THREE VEHICLES/PIECES OF EQUIPMENT ARE ON LAUNCH PAD 1D-2.

(SEE ATTACHMENT)

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

KAPUSTIN YAR LAUNCH COMPLEX E

UR 4846N 04618E

TWO POSSIBLE TRANSPORTERS/ERECTORS (40 AND 42 FT IN LENGTH), A 36-FT POSSIBLE TRANSPORTER, AN UNIDENTIFIED 33-FT VEHICLE, AND AN UNIDENTIFIED VEHICLE/PIECE OF EQUIPMENT ARE ON THE LAUNCH PAD.

AT LEAST 19 SCUD TELS ARE OBSERVED EITHER PARKED OR ENGAGED IN TRAINING EXERCISES IN THE TROOP TRAINING AREA WEST OF LAUNCH COMPLEX E. AT LEAST 3 SCUD UNITS ARE BIVOUACKED IN THIS AREA.

(SEE ATTACHMENT)

KAPUSTIN YAR LAUNCH COMPLEX G

UR 4822N 04617E

AT LEAST 12 UNIDENTIFIED VEHICLES ARE ENGAGED IN AN EXERCISE JUST NORTH OF THE SUPPORT AREA. NO MISSILES OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

KAPUSTIN YAR LAUNCH COMPLEX H

UR 4848N 04620E

IDENTIFICATION ONLY.

KAPUSTIN YAR MISSILE STOR & HANDLING AREA **UR 4822N 04612E**

TWO LARGE CARGO TRUCKS, A TRUCK-MOUNTED CRANE, AND AT LEAST 47 PROBABLE CRATES APPROXIMATELY [REDACTED] ARE NEWLY IDENTIFIED WITHIN THE AREA. SMALL UNIDENTIFIED EQUIPMENT IS IN OPEN STORAGE WITHIN THE FENCE LINE.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1
25X1

MISSION 4030, 13-20 JULY 1966

SARY-SHAGAN ANTIMISSILE TEST CENTER

UR 4602N 07334E

THE ONLY FACILITIES COVERED AT THE TEST CENTER ARE INSTRUMENTATION SITES 4, 6, AND 10, SITE 13, AND COMMUNICATIONS SITE 3. NO NEW MISSILE FACILITIES OBSERVED IN VISIBLE PORTIONS OF THE SEARCH AREA.

25X1

25X1

SHUANG-CHENG-TZU MISSILE TEST CENTER

CH 4107N 10020E

NO NEW MISSILE FACILITIES IDENTIFIED IN PORTIONS OF THE SEARCH AREA COVERED ON PHOTOGRAPHY.

25X1

SHUANG-CHENG-TZU MTC LCH CPLX A (SITE 1) CH 4114N 10017E

LAUNCH PAD A-1 NOW HAS 2 ADDITIONAL LAUNCH POINTS. TWO VEHICLES/PIECES OF EQUIPMENT ARE ON THE PAD AND AT LEAST 2 MORE ARE IN THE FINAL CHECKOUT AREA.

AT LEAST 20 SUPPORT VEHICLES AND 5 PROBABLE FUEL OXIDIZER TRAILERS ARE PARKED IN THE MOTOR POOL OF THE SSM HOUSING AND SUPPORT AREA EAST OF LAUNCH COMPLEX A. A NEW BUILDING IS ALSO OBSERVED UNDER CONSTRUCTION IN THIS AREA.

25X1

SHUANG-CHENG-TZU MTC LCH CPLX B (SITE 2) CH 4115N 10018E

CONSTRUCTION AT LAUNCH COMPLEX B CONTINUES AT A RAPID RATE. CONSTRUCTION ON THE STEEL GANTRY IS PROGRESSING UNDER THE HAMMERHEAD CRANE WHICH IS PRESENTLY POSITIONED 650 FT TO THE REAR OF THE LAUNCH POINT. THE BASE OF THE LAUNCH PAD PRESENTLY MEASURES APPROXIMATELY [REDACTED] WITH THE FOUNDATION MEMBERS EXTENDING ANOTHER 20 FT FORWARD. THE FLAME PIT IS APPROXIMATELY [REDACTED] WIDE WHERE IT EMERGES FROM UNDER THE PAD STRUCTURE.

25X1

25X1

A STRUCTURE IS NOW UNDER CONSTRUCTION IN THE ORIGINAL

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHSS RUFF

MISSION 4030, 13-20 JULY 1966

CONTROL BUNKER EXCAVATION. A NEW BUILDING IS ALSO UNDER CONSTRUCTION ALONG THE ORIGINAL ACCESS ROAD.

(SEE ATTACHMENT)

SHUANG-CHENG-TZU MTC LCH CPLX C (SITE 3) CH 4118N 10017E

AN EXTENSION IS VISIBLE TO THE NEW PAD (OUTSIDE THE NW CORNER OF THE LAUNCH AREA) REPORTED ON JUN-JUL 66. THIS EXTENSION GIVES THE PAD AN OVERALL DIMENSION OF APPROXIMATELY 150 X 75 FT. THERE IS A CIRCULAR PATTERN IN THE CENTER OF THIS EXTENSION WITH A OUTER DIAMETER AND A 20-FT INNER DIAMETER. WHETHER THIS IS A FOUNDATION FOR A LAUNCH RING OR AN ELECTRONIC STRUCTURE IS UNDETERMINED. A TRENCH EXTENDS FROM THE REAR OF THE PAD FOR APPROXIMATELY 65 FT.

A TOWER, APPROXIMATELY 50 FT HIGH, IS ON A NEW 82-FT LONG APRON ON THE SOUTH SIDE OF THE ORIGINAL LOOP ACCESS ROAD.

NEW BUILDINGS ARE UNDER CONSTRUCTION ALONG THE ROAD INTO THE LAUNCH AREA, AND ARE EACH APPROXIMATELY 20 FT WIDE. THE LONGEST IS A NEW CABLE SCAR EXTENDS FROM INSTRUMENTATION SITE 12 TO JUST SOUTH OF THE NEW PAD.

(SEE ATTACHMENT)

SHUANG-CHENG-TZU SSM-SAM ASBLY & CHECK CPX CH 4106N 10016E

THE PREVIOUSLY REPORTED AREA OF UNIDENTIFIED ACTIVITY IN THE NW PART OF THE SSM PORTION OF THE COMPLEX NOW CONTAINS 2 BUILDINGS UNDER CONSTRUCTION SERVED BY AN UNIMPROVED ROAD EXTENDING SOUTH FROM THE ROAD ALONG THE NORTHERN EDGE OF THE COMPLEX. A RAIL CAR IS LOCATED ON THE TRACK JUST SOUTH OF THE LARGE ASSEMBLY BUILDING IN THE SSM AREA AND SEVERAL VEHICLES/PIECES OF EQUIPMENT ARE LOCATED THROUGHOUT THE AREA. A STRING OF RAIL CARS IS LOCATED ON THE SIDING NEAR THE HEATING PLANT.

NO SIGNIFICANT CHANGE OBSERVED IN THE CONSTRUCTION AREA NW OF THE COMPLEX, HOWEVER, A PREVIOUSLY UNREPORTED

TOP SECRET CHSS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

CIRCULAR FOUNDATION, POSSIBLY FOR A WATER TANK, IS UNDER CONSTRUCTION ON TOP OF A HILL NORTH OF THE BUILDINGS.

SEVERODVINSK NAVAL BASE AND SHIPYARD 402 UR 6434N 03949E

OB -- AT FITTING-OUT QUAY, MAIN YARD -- 3 UNIDENTIFIED SS (2 IN FLOATING DOCKS), 2 POSSIBLE SS, AND 1 CATAMARAN-TYPE VESSEL.
AT WEST QUAY -- 1 PROBABLE SC, 8 UNIDENTIFIED VESSELS ON QUAY, AND 12 SMALL SERVICE CRAFT.
AT WEST PIERS -- 1 PROBABLE SC, 1 SMALL AO, 1 UNIDENTIFIED VESSEL, AND 1 YAGT.
IN WET BASIN, NORTH YARD -- 2 POSSIBLE G-CLASS SSB (1 WITHOUT SAIL), 2 BARGES, AND 1 POSSIBLE VESSEL. AT NAVAL BASE PIERS -- 5 POSSIBLE SS, 2 PROBABLE DE, AND 1 BOLVA-CLASS APL.
AT NAVAL BASE QUAY -- 1 UNIDENTIFIED VESSEL.
IN NIKOLSKOYE ESTUARY -- 2 YAGT.

A ROOF IS BEING FITTED ON COVERED BUILDING/REPAIR WAY IN THE NORTH YARD. THE MAIN LAUNCH BASIN IS DRY AND UNOCCUPIED. THE FITTING-OUT QUAY IN THE NORTH YARD IS UNOCCUPIED. UNIDENTIFIED ACTIVITY IS OBSERVED AT THE NUCLEAR SUPPORT FACILITY QUAY.

SEVEROMORSK NAVAL MISSILE STORAGE UR 6906N 03328E

OB -- 1 LAMA-CLASS AEM AT WHARF.

AREA IS 90 PERCENT CLOUD COVERED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

SEVEROMORSK NAVAL BASE UR 6904N 03326E

OB -- 2 KOLA-CLASS DE.

AREA IS 90 PERCENT CLOUD COVERED. NO NUCLEAR STORAGE,

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

25X1

NEW CONSTRUCTION, OR CHANGES OBSERVED.

25X1

GUBA SAYDA NAVAL MISSILE STORAGE UR 6915N 03320E

25X1

NUMEROUS VEHICLES, CRATES, AND PIECES OF EQUIPMENT ARE IN THE AREA.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

GUBA SAYDA SUBMARINE BASE UR 6915N 03321E

OB -- 2 H-CLASS SSB, 3 G-CLASS SSB, 1 POSSIBLE G-CLASS SSB, 1 K-1-CLASS SS, 1 SKORYY-CLASS AGT, 1 UGRA-CLASS AS, 1 OSKOL-CLASS ASL, 2 PM-124-CLASS AG, 1 BOLVA-CLASS APL, 1 UNIDENTIFIED AUXILIARY, 2 YR, AND 8 UNIDENTIFIED SMALL CRAFT.

SCATTERED CLOUDS OBSCURE WESTERN PORTIONS OF THE AREA.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

GUBA OLENYA SUBMARINE BASE UR 6913N 03323E

OB -- 3 G-CLASS SSB, 2 Z-V-CLASS SSG, 1 W-CONVERSION (LONGBIN)-CLASS SSG, 1 K-1-CLASS SS, AND 4 UNIDENTIFIED SMALL CRAFT.

THE AREA IS 50 PERCENT CLOUD COVERED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

25X1

MISSION 4030, 13-20 JULY 1966

PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

POLYARNYY NAVAL BASE

UR 6912N 03328E

OB -- 12 F/Z-CLASS SS, 1 MEDIUM SS, 2 R/W-CLASS SS, 6
POTI-CLASS PC, 5 UNIDENTIFIED SMALL SURFACE COMBATANTS,
5 VANYA-CLASS MSI, 5 UNIDENTIFIED VESSELS, 1
TRANSPORTER DOCK, AND 1 YR. TWO SKORYY-CLASS DD ARE
UNDERWAY IN KOLSKIY BAY.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

25X1

POLYARNYY NVL MISSILE SUPPORT FAC KISLAYA UR 6912N 03330E

OB -- 1 J-CLASS SSG BACKING AWAY FROM THE PIER.

NO APPARENT CHANGE IN FACILITIES. NO NUCLEAR STORAGE
AREA OBSERVED. THE EASTERN HALF OF THE AREA IS CLOUD
FREE.

25X1

GUBA PALA NAVAL BASE AND SHIP REPAIR YARD UR 6912N 03326E

OB -- 2 E-CLASS SSGN (1 IN FLOATING DOCK), 1
UNIDENTIFIED LARGE SS IN FLOATING DOCK, 1 WHALE SS, 4
R/W-CLASS SS (2 IN FLOATING DOCK), 1 ATREK-CLASS ASL, 1
DNEPR-CLASS AR, 2 UNIDENTIFIED AUXILIARIES, 7
UNIDENTIFIED SMALL CRAFT, AND 2 BARGES.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

IOKANGA NAVAL BASE AND SHIP REPAIR YARD UR 6804N 03932E

OB -- 1 H-II-CLASS SSBN IN GRAVING DOCK, 1 N-CLASS SSN,
6 W-CLASS SS, AND 1 S-1-CLASS SS AT PIERS, 1 RIGA-CLASS
DE, 3 KRONSTADT-CLASS PC (1 DISARMED), 1 DNEPR-CLASS

25X1

TOP SECRET CHESS RUFF

TOP SECRET CHESSE RUFF

25X1

MISSION 4030, 13-20 JULY 1966

AR WITH A POSSIBLE SS ALONGSIDE, 2 NYRYAT-1-CLASS YDT, 2 NYRYAT-2-CLASS YDT, 1 AO, 2 MERCHANT SHIPS, 1 AT, 1 POSSIBLE YO, AND SEVERAL SMALL SERVICE VESSELS.

25X1

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

(SEE ATTACHMENT)

25X1

PETROPAVLOVSK NAVAL BASE TARYA BAY UR 5255N 15834E

OB -- 1 E-II-CLASS SSGN, 1 E-CLASS SSGN, 7 F/Z-CLASS SS (1 IN FLOATING DOCK), 2 W-CLASS SS, 1 SMALL SS, 4 UNIDENTIFIED SS (1 MOORED AT PIER PREVIOUSLY OCCUPIED BY NUCLEAR SUBMARINES), 1 PROBABLE NEVA-CLASS ASL, 1 SKORYY-CLASS DD (WITH GUNS REMOVED), 1 T-43-CLASS MSF, 1 BOLVA-CLASS APL, 1 UNOCCUPIED TRANSPORTER DOCK, 1 HULL, AND OTHER AUXILIARIES AND SMALL CRAFT.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

PETROPAVLOVSK NAVAL MISSILE STORAGE UR 5257N 15827E

NO MISSILES OR MISSILE-RELATED EQUIPMENT COULD BE IDENTIFIED DUE TO SMALL SCALE AND OBLIQUITY.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

PETROPAVLOVSK NVL MSL SUPPORT FACILITY UR 5257N 15829E

OB -- 1 DESNA-CLASS AGM OFFSHORE, 4 SIBIR-CLASS AGM, 1 LAMA-CLASS AEM, AND 1 SMALL PROBABLE OILER.

NO CRANES OBSERVED.

25X1

TOP SECRET CHESSE RUFF

25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

PETROPAVLOVSK NVL B SELDEVAYA BAY

UR 5254N 15830E

OB -- 1 E-CLASS SSGN, 2 G-CLASS SSB (1 IN FLOATING DOCK WITH MAJOR PORTION OF SAIL REMOVED), 1 PROBABLE KOTLIN-CLASS DD, 1 PROBABLE SKORYY-CLASS DD, 1 PROBABLE RIGA-CLASS DE, 1 POSSIBLE DON-CLASS ASL, 1 YAGT, 1 PASSENGER SHIP, 1 MERCHANT SHIP, AND SEVERAL YARD CRAFT.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

ROSTA NAVAL BASE AND SHIPYARD SEVMORPUT UR 6902N 03304E

OB -- 2 G-CLASS SSB, 1 Z-V-CLASS SSB, 2 J-CLASS SSG, 6 F/Z-CLASS SS (1 IN DRYDOCK), 5 W/R-CLASS SS, 1 UNIDENTIFIED SS IN DRYDOCK, 1 SVERDLOV-CLASS CL, 3 SKORYY-CLASS DD, 1 KOLA-CLASS DE IN DRYDOCK, 1 PETYA-CLASS PCE, 1 PRUT-CLASS ASR, 1 UDA-CLASS AO, 1 KRASIN-CLASS AGB IN DRYDOCK, 4 UNIDENTIFIED AUXILIARIES (1 IN FLOATING DOCK), 3 YR, AND 1 LARGE FLOATING CRANE. ONE CHAPEYEV-CLASS CL AND 1 DON-CLASS AS ARE IN THE RIVER.

FACILITIES INCLUDE 3 PIERS, 3 QUAYS, 2 DRYDOCKS, 4 LARGE SHOP-TYPE BUILDINGS, A POWERPLANT, AND NUMEROUS SUPPORT BUILDINGS.

FEODOSIYA NAVAL BASE AND SHIP RPR YARD UR 4501N 03524E

OB -- 4 R/W-CLASS SS, 1 SKORYY-CLASS DD, 1 POTI-CLASS PCE, 1 KRONSTADT-CLASS PC, 19 P-6-CLASS PT (9 WITHOUT TUBES), 1 P-4-CLASS PT, 3 T-43-CLASS MSF, 2 T-301-CLASS MSL, 2 T-43-CLASS AG, 1 PROBABLE US ADMIRABLE-CLASS AG, 2 T-43-CLASS AGS, 1 OSKOL-CLASS ASL, 1 YAGT, 1 FLOATING CRANE, SEVERAL AO, AND NUMEROUS SUPPORT CRAFT.

A SMALL BOAT YARD AT THE SOUTH CORNER OF THE BASIN CONTAINS 4 MARINE RAILWAYS. AN ANTISUBMARINE NET IS DEPLOYED AT THE ENTRANCE TO THE BASIN.

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

PALDISKI NAVAL BASE

UR 5921N 02404E

OB -- 2 R/W-CLASS SS, 7 Q-CLASS SS, 1 UNIDENTIFIED
SMALL SS, AND 6 SMALL SURFACE VESSELS.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

MOSKVA SUSPECT ABM AREA

UR 5545N 03737E

PORTIONS OF THE SEARCH AREA IN THE NW, NE, AND SW
QUADRANTS ARE COVERED ON CLEAR-TO-SCATTERED
CLOUD-COVERED PHOTOGRAPHY. NO NEW SARY-SHAGAN OR
LENINGRAD-TYPE INSTALLATIONS, ELECTRONIC FACILITIES, OR
NUCLEAR WEAPONS STORAGE WHICH MIGHT BE RELATED TO ABM
DEPLOYMENT OBSERVED IN CLOUD-FREE AREAS. THE REMAINDER
OF THE SEARCH AREA IS NOT COVERED.

LENINGRAD PROB LR SAM LCH CPLX SEARCH

UR 5955N 03020E

THE LENINGRAD NORTHWEST PROBABLE LONG RANGE SAM LAUNCH
COMPLEX IS THE ONLY ONE OF THE 3 COMPLEXES COVERED ON
THIS MISSION. NO NEW OR PREVIOUSLY UNREPORTED MISSILE
ACTIVITY OR ELECTRONIC FACILITIES OBSERVED IN
CLOUD-FREE AREAS.

LENINGRAD NW PROB LONG RANGE SAM LCH CPLX

UR 6027N 02944E

THE ENTIRE COMPLEX IS COVERED ON FAIR-TO-POOR
PHOTOGRAPHY WITH INTERPRETABILITY FURTHER LIMITED BY
HAZE.

A LAUNCHER IS DEPLOYED AT EACH LAUNCH POSITION OF THE 5
LAUNCH SITES EXCEPT AT LAUNCH SITE D, POSITION 1, WHERE
ONE WAS PRESENT ON [REDACTED] WORK
APPEARS TO HAVE TAKEN PLACE AT LAUNCH SITES A, B, D,
AND E SINCE [REDACTED] THE LAST SNOW-FREE
KH-7 COVERAGE OF THE COMPLEX.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

AT LAUNCH SITE A, A SMALL OBJECT IS POSITIONED NEAR THE LAUNCHERS AT POSITIONS 5 AND 6. TWO GRAY STRIATIONS EXTEND ACROSS THE PERIMETER ROAD TO THE REAR OF THE RIGHT SIDE OF EACH MISSILE READY BUILDING AT THIS SITE. AT POSITIONS 1, 5, AND 6, OTHER CLEARLY DEFINED STRIATIONS ARE WHITE. AT POSITIONS 2, 3, AND 4, A DARK AREA, SEEN ON [REDACTED] IS APPARENT BETWEEN THE MISSILE READY BUILDING AND THE LAUNCH POINT. AT POSITIONS 1, 5, AND 6, ONLY PORTIONS OF THIS AREA APPEAR DARK.

TWO DARK STRIATIONS ARE VISIBLE AT LAUNCH SITE B ACROSS THE PERIMETER ROAD TO THE REAR OF THE 6 MISSILE READY BUILDINGS. AT ALL 6 POSITIONS OF THIS SITE, A DARK AREA, ONE SEGMENT WIDE, EXTENDS OUT FROM THE MISSILE READY BUILDING REACHING OR ALMOST REACHING THE LAUNCH POINT. SOME OF THESE AREAS HAVE BECOME DARK SINCE [REDACTED] AN OBJECT IS OBSERVED TO THE REAR OF THE MISSILE READY BUILDING AT POSITION 2.

AT LAUNCH SITE C, 2 DARK STRIATIONS, VISIBLE ON [REDACTED] EXTEND ACROSS THE PERIMETER ROAD FROM THE 6 MISSILE READY BUILDINGS. THERE IS NO CHANGE IN THE AREA BETWEEN THE 6 MISSILE READY BUILDING AND RESPECTIVE LAUNCH POINTS EXCEPT ONE SEGMENT IS DARK TONED. A SMALL OBJECT IS VISIBLE ALONG THE PERIMETER ROAD NEAR THE READY BUILDING AT POSITION 2.

AT LAUNCH SITE D, 2 DARK STRIATIONS EXTEND ACROSS THE PERIMETER ROAD FROM THE MISSILE READY BUILDINGS AT POSITIONS 1 THROUGH 5. AT POSITION 6, FOUR STRIATIONS ARE OBSERVED. THE AREA BETWEEN THE MISSILE READY BUILDINGS AND LAUNCH POINTS AT POSITIONS 1 THROUGH 5 IS DARK. WORK CONTINUES AT POSITION 6, BUT IS INCOMPLETE. A SMALL OBJECT/PIECE OF EQUIPMENT IS OBSERVED ON THE PERIMETER ROAD CLOSE TO THE MISSILE READY BUILDINGS AT POSITIONS 1, 3, 4, 5, AND POSSIBLY 6.

AT LAUNCH SITE E, A MOTTLED PATTERN IS APPARENT FOR THE FIRST TIME EXTENDING ACROSS THE PERIMETER ROAD ADJACENT TO THE MISSILE READY BUILDINGS AT POSITIONS 1 AND 2. TWO BLACK STRIATIONS ARE VISIBLE ALONG THE PERIMETER ROAD AT POSITIONS 1, 2, AND 3, AND FIVE ARE VISIBLE AT POSITIONS 4, 5, AND 6. AT ALL 6 POSITIONS, THE AREA BETWEEN THE MISSILE READY BUILDINGS AND LAUNCH POINTS IS DARK TONED. A SMALL OBJECT/VEHICLE IS OBSERVED TO THE REAR OF THE MISSILE READY BUILDINGS AT POSITIONS 3, 4, 5, AND 6.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

WORK HAS PROGRESSED SINCE [REDACTED] ON THE DRIVE-THROUGH BUILDING AND SERVICE ROAD BETWEEN LAUNCH SITE A AND THE SUPPORT AREA. UNIDENTIFIED EQUIPMENT IS NOTED IN A CLEARING JUST EAST OF THIS CONSTRUCTION AREA. PROGRESS HAS ALSO BEEN MADE SINCE [REDACTED] ON THE BUILDING UNDER CONSTRUCTION IN THE SUPPORT AREA. AN UNDETERMINED NUMBER OF VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED THROUGH HAZE ALONG THE EAST SIDE OF THE LARGEST BUILDING IN THE SUPPORT AREA, JUST SW OF THE BUILDING, AND IN THE NE CORNER OF THE SUPPORT AREA.

25X1

25X1

THE 5 RADAR POSITIONS IN THE ELECTRONIC SITE APPEAR OCCUPIED WITH ASSOCIATED VANS IDENTIFIABLE THROUGH THE HAZE AT POSITIONS 2, 5, AND POSSIBLY 4. FOUR PROBABLE VANS ARE OBSERVED ALONG THE ROAD JUST EAST OF THE CONTROL CENTER. OCCUPANCY OF THE CONTROL CENTER CANNOT BE DETERMINED DUE TO HAZE. THERE IS NO APPARENT CHANGE IN THE ELEVATED STRUCTURES AT THE OUTRIGGER POSITIONS OR ASSOCIATED COMPLEX CONTROL CENTER.

OCCUPANCY OF THE SA-3 SAM SITE WITHIN THE COMPLEX CANNOT BE UNDETERMINED. NO MISSILES COULD BE IDENTIFIED AT THE COMPLEX.

25X1

TALLINN PROB LONG RANGE SAM LCH CPLX

UR 5924N 02419E

25X1

NO SIGNIFICANT CHANGE OBSERVED AT THE COMPLEX SINCE [REDACTED]

25X1

AT LAUNCH SITES A, B, AND C, A RAIL-TYPE LAUNCHER AND 2 PROBABLE MISSILE DOLLIES ARE OBSERVED AT EACH LAUNCH POSITION AND THE CONTROL CENTER REVETMENTS ARE OCCUPIED. ALL LAUNCHERS AT THESE 3 LAUNCH SITES ARE NOW EMPLACED ON THE LAUNCHER MOUNTS. HOWEVER, NO EQUIPMENT IS PRESENT AT LAUNCH SITES D AND E. THE 5 POSITIONS IN THE ELECTRONIC SITE ARE STILL OCCUPIED BY TRACKING/GUIDANCE RADARS. A POSSIBLE CABLE TRACE IS OBSERVED COMING FROM THE CENTRAL CONTROL REVETMENT IN THE ELECTRONIC SITE DOWN TO AND BEYOND THE AIR WARNING FACILITY 3.5 NM SE OF THE LAUNCH COMPLEX. ONLY PORTIONS OF THIS POSSIBLE CABLE TRACE WERE DISCERNIBLE ON [REDACTED] AND IT WAS NOT APPARENT ON [REDACTED]. THE PREVIOUSLY REPORTED 12 LAUNCHERS AND 24 PROBABLE MISSILE DOLLIES ARE STILL PRESENT IN THE VEHICLE PARKING AREA, ALTHOUGH SOME OF THE VEHICLES/VANS/PIECES OF EQUIPMENT HAVE BEEN REMOVED.

25X15X1
25X1

25X1

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

MISSION 4030, 13-20 JULY 1966

A NEW BUILDING IS UNDER CONSTRUCTION IN THE AIR WARNING SITE, BUT ELECTRONIC EQUIPMENT HAS NOT BEEN INSTALLED ON THE MOUNDS. CONSTRUCTION CONTINUES IN THE MISSILE ASSEMBLY AND CHECKOUT AREA. THE APRON SERVING THE 2 LARGE REVETTED BUILDINGS APPEARS TO HAVE RECEIVED AT LEAST PRELIMINARY GRADING SINCE THE LAST COVERAGE.

NO MISSILES CAN BE IDENTIFIED AT THE COMPLEX.

25X1

CHEREPOVETS PROB LONG RANGE SAM LCH CPLX UR 5906N 03810E

25X1

HEAVY CLOUDS AND POOR INTERPRETABILITY LIMIT ANALYSIS. NO SIGNIFICANT CONSTRUCTION PROGRESS OBSERVED SINCE

25X1

THREE RADAR POSITIONS, PORTIONS OF EACH LAUNCH SITE AND THE 4 MOUNDS ADJACENT TO THE CHEREPOVETS AIR WARNING FACILITY ARE VISIBLE THROUGH HEAVY CLOUDS. AT LAUNCH SITE B, A WHITE OBJECT IS APPARENT AT BOTH LAUNCH POSITIONS 4 AND 6. AT LAUNCH SITE C, A LATERAL PAIR OF WHITE OBJECTS IS VISIBLE AT LAUNCH POSITIONS 1, 2 AND 3, WHILE ONE OBJECT IS AT LAUNCH POSITION 4. AT LAUNCH SITE E, A LINEAR PAIR OF WHITE OBJECTS IS DISCERNIBLE AT LAUNCH POSITION 4 AND ONE WHITE OBJECT IS AT LAUNCH POSITION 3. ALL OF THESE OBJECTS ARE LOCATED AT THE APEX OF THE V-RAILS AND CANNOT BE IDENTIFIED. HEAVY CLOUDS PRECLUDE INTERPRETATION OF LAUNCH SITES A AND D.

RADAR POSITIONS 1, 3 AND 4 ARE CLOUD-FREE AND EACH APPEARS OCCUPIED WITH A PROBABLE RADAR. FOUR PROBABLE VANS ARE LOCATED AT RADAR POSITION 3.

CONSTRUCTION CONTINUES ON THE 4 RADAR MOUNDS ADJACENT TO THE CHEREPOVETS AIR WARNING FACILITY 4.0 NM WNW OF THE COMPLEX. A RECTANGULAR CENTRAL REVETMENT NOT PREVIOUSLY REPORTED BUT PRESENT ON [REDACTED] IS NOW APPARENT. NO EQUIPMENT OBSERVED IN THIS AREA.

25X1

25X1

CALCUTTA SAM SITE

IN 2234N 08825E BONUS 1

A NEWLY IDENTIFIED SA-2 SAM SITE IS UNDER CONSTRUCTION 3.8 NM ENE OF CALCUTTA AT 22-34-35N 088-25-15E. THE SITE, OF LINK CONFIGURATION, CONSISTS OF 1 LAUNCH POSITION IN A LATE STAGE OF CONSTRUCTION AND 5 LAUNCH

25X1

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1

25X1

MISSION 4030, 13-20 JULY 1966

POSITIONS IN EARLY- TO MID-STAGES OF CONSTRUCTION. THE CENTRAL GUIDANCE AREA AND 3 MISSILE-HOLD POSITIONS ARE IN MID-STAGES OF CONSTRUCTION. A PROBABLE ACQUISITION RADAR POSITION IS UNDER CONSTRUCTION 500 FT WEST OF THE LAUNCH AREA.

(SEE ATTACHMENT)

25X1

KOTOVSK SAM SUPPORT FACILITY

UR 4744N 02957E BONUS 2

AN AREA OF UNIDENTIFIED ACTIVITY IS ADJACENT TO THE NORTH EDGE OF KOTOVSK SAM SUPPORT FACILITY. THE ACTIVITY CONSISTS OF A GORKIY-TYPE REVETMENT, A T-SHAPED SERVICE ROAD WITH A REVETMENT AT EACH END OF THE BAR PORTION OF THE T, A GRADED OR SURFACED PARKING APRON, 3 SMALL STRUCTURES, AND 2 DOME-LIKE OBJECTS. APPROXIMATELY 21 UNIDENTIFIED PIECES OF EQUIPMENT ARE IN THE AREA. THE ACTIVITY WAS NOT PRESENT ON MISSION

25X1

(SEE ATTACHMENT)

25X1

AS SUWAYS SAM SITE B33-2

EG 3012N 03223E BONUS 3

17.2 NM INW OF AS SUWAYS AT 30-12-45N 032-23-00E. LINK CONFIGURATION SA-2 SITE CONSISTS OF 6 REVETTED, UNOCCUPIED LAUNCH POSITIONS, AN UNRETVETTED CENTRAL GUIDANCE AREA OCCUPIED BY A BUILDING BUT NO EQUIPMENT, 3 DRIVE-THROUGH MISSILE-HOLD BUILDINGS, AND ON SITE SUPPORT CONSISTING OF 4 LARGE BUILDINGS, 17 SMALL BUILDINGS, AND 7 DRIVE-THROUGH BUILDINGS.

(SEE ATTACHMENT)

25X1

TOP SECRET CHESS RUFF

25X1

Air Facilities

1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

AIR FACILITIES

USSURIYSK/VOZDVIZHENKA AIRFIELD

UR 4355N 13156E

OB -- 48 BADGER, 9 BEAGLE, 2 FISHPOT, 1 FISHBED, 35 FITTER, 10 FARMER, 6 FAGOT/FRESCO, 1 CAB, 1 COLT, 1 MEDIUM STRAIGHT-WING, AND 1 LIGHT STRAIGHT-WING.

AN AAM SITE IS LOCATED IN THE NE SECTOR OF THE AIRFIELD.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

SHEN-YANG AIRCRAFT ENGINE PLANT

CH 4147N 12330E

OB -- AT SHEN-YANG AIRFIELD SOUTHEAST -- 1 COACH/CRATE, 3 CAB, AND 17 COLT.

NO SIGNIFICANT CHANGE IN PLANT FACILITIES.

SHEN-YANG AIRFRAME PLANT 112

CH 4152N 12325E

OB -- [REDACTED], REPORTED IN THE OAK, PART 1.

PLANT ACTIVITY APPEARS TO BE HEAVY. A LARGE BUILDING IS IN AN EARLY STAGE OF CONSTRUCTION ON THE WEST SIDE OF THE GAS-DYNAMICS FACILITY.

CHING-CHIANG AIRFIELD

CH 2802N 11531E

OB -- 2 FARMER, 14 FRESCO, AND 3 FAGOT.

CONSTRUCTION CONTINUES ON AIRCRAFT DISPERSAL REVETMENTS. NO OTHER CHANGES OBSERVED.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

25X1

CHIANG-WAN AIRFIELD

CH 3119N 12130E

OB -- [] -- 19 FAGOT/FRESCO.

[] -- 16 FAGOT/FRESCO.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

25X1

25X1

25X1

HSIN-CHENG AIRFIELD

CH 2533N 11436E

OB -- [] -- 4 FARMER AND 20 FAGOT/FRESCO.

[] -- 3 FARMER, 22 FAGOT/FRESCO, AND 2 MAX.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

25X1

25X1

CHIU-KU-CHENG AIRFIELD

CH 3730N 11606E

OB -- 42 FARMER AND 13 FAGOT/FRESCO.

A PROBABLE BAR LOCK AND A PROBABLE ROCK CAKE RADAR ARE
APPROXIMATELY 2,000 FT SW OF RUNWAY CENTER. NO OTHER
CHANGES OBSERVED.

25X1

HUAI-TE AIRFIELD

CH 4332N 12447E

OB -- 25 BEAGLE.

THE NE 50 PERCENT OF THE AIRFIELD IS VISIBLE.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

25X1

LI-CHIA-TSUN AIRFIELD

CH 2511N 11019E

25X1

OB -- NONE OBSERVED.

ONLY NORTHERN PORTION OF THE RUNWAY IS OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

LING-SHUI AIRFIELD

CH 1830N 10959E

IDENTIFICATION ONLY.

25X1

CHI-CHI-HA-ERH AIRFIELD SOUTH

CH 4718N 12356E

OB -- NONE OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

LUNG-HUA AIRFIELD

CH 3110N 12127E

OB -- ☐ -- 64 FAGOT/FRESCO, 3 CRATE, 1 CAB, 10 COLT,
2 MAX/MOOSE, 3 HOUND (2 WITHOUT ROTORS), AND 3 HARE
WITHOUT ROTORS.

☐ -- 2 FAGOT/FRESCO, 2 CRATE, 7 COLT, 1 LIGHT
STRAIGHT-WING, 2 POSSIBLE COLT, AND 23 POSSIBLE SMALL
AIRCRAFT.

25X1

25X1

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESH RUFF

MISSION 4030, 13-20 JULY 1966

FU-CHOU/NAN-TAI AIRFIELD

CH 2600N 11919E

OB -- [] -- 6 FAGOT/FRESCO AND 10 SMALL SWEEP-WING.
[] -- 2 PROBABLE FARMER AND 17 FAGOT/FRESCO.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED IN CLOUD-FREE
AREAS.

[]

PANG-FOU AIRFIELD

CH 3256N 11722E

OB -- 17 FAGOT AND 27 MOOSE.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

[]

PAO-SHAN AIRFIELD

CH 2503N 09909E

OB -- NONE OBSERVED.

SCATTERED CLOUDS OBSCURE PORTIONS OF AIRFIELD.

NO NEW CONSTRUCTION OR CHANGES IN FACILITIES OBSERVED.

[]

TA-CHANG AIRFIELD

CH 3119N 12125E

OB -- [] -- 52 FAGOT/FRESCO.
[] -- 1 BEAGLE AND 47 FAGOT/FRESCO.

[]

WEN-TENG AIRFIELD

CH 3711N 12213E

OB -- NONE OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

TOP SECRET CHESH RUFF

TOP SECRET CHSS RUFF

MISSION 4030, 13-20 JULY 1966

25X1

25X1

YA-MEN-TUN AIRFIELD

CH 4714N 12355E

OB -- NONE OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

25X1

YEN-CHENG AIRFIELD

CH 3326N 12012E

OB -- NONE OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

NAN-NING AIRFIELD SOUTH

CH 2236N 10810E

OB -- 4 FISHBED AND 20 FARMER.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

(SEE ATTACHMENT)

25X1

HO-FEI AIRFIELD

CH 3153N 11719E

OB -- 16 COLT.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TOP SECRET CHSS RUFF

25X1

TOP SECRET CHESSE RUFF

MISSION 4030, 13-20 JULY 1966

25X1

HAI-LA-ERH AIRFIELD SOUTHWEST

CH 4909N 11941E

25X1

OB -- NONE OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

HU-HO-HAO-TE AIRFIELD EAST

CH 4051N 11148E

OB -- 1 CRATE AND 1 CAB.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

HSU-CHOU AIRFIELD NORTHWEST

CH 3417N 11710E

OB -- 12 COLT.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

YAI-HSIEN AIRFIELD

CH 1817N 10927E

OB -- NONE OBSERVED.

THE AIRFIELD IS PARTIALLY OBSCURED BY SCATTERED CLOUDS.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

SHEN-YANG AIRFIELD WEST

CH 4149N 12318E

OB -- 10 FARMER, 33 FAGOT/FRESCO, 1 CRATE, AND 5
PROBABLE MAX.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

TOP SECRET CHESSE RUFF

25X1

TOP SECRET CHES RUFF

25X1

MISSION 4030, 13-20 JULY 1966

25X1

HSU-PU AIRFIELD

CH 2756N 11040E

25X1

OB -- NONE OBSERVED.

**INITIAL RUNWAY SURFACING IS NOW IN PROGRESS.
CONFIGURATION OF AIRFIELD IS EVIDENT. A RUNWAY,
TAXIWAYS, PARKING APRONS, AND CROSSOVER LINKS ARE NOW
DISCERNIBLE.**

25X1

RISALWALA AIRFIELD

PK 3122N 07300E

**5.7 NM SW OF LYALLPUR.
10,300 X 100 FT NE/SW SERVICEABLE BLACKTOP RUNWAY WITH
A LOOP TAXIWAY, 1 CONCRETE ALERT APRON, AND 43
HARDSTANDS (18 REVETTED). SUPPORT FACILITIES INCLUDE 3
SMALL BUILDINGS/TENTS.**

OB -- 1 PROBABLE F-86.

25X1

TOP SECRET CHES RUFF

25X1

Nuclear Energy

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**Naval
Activity/
Ports**

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

25X1
25X1NAVAL ACTIVITY/PORTS

SHANG-HAI NVB A SHPYD CHIANG-NAN DOCK CO CH 3112N 12129E

25X1

OB -- [] -- 1 R-CLASS SS ON BUILDING WAY, 2 W/R-CLASS SS IN WATER, 1 CASTLE-CLASS PF (A CASTLE-CLASS PF WAS OBSERVED UNDERGOING REWORK ON PREVIOUS MISSIONS BUT THIS PF APPEARS COMPLETE EXCEPT FOR WEATHER SHEDS FITTED ON THE BOW AND STERN), 1 KAIBOKAN 1-CLASS PF (REPORTED AS A STRIPPED HULL ON PREVIOUS MISSIONS) REFITTED WITH SUPERSTRUCTURE AND STACK, 1 LARGE MERCHANT SHIP HULL UNDER CONSTRUCTION ON THE LONG BUILDING WAY, 1 UNIDENTIFIED MERCHANT VESSEL/NAVAL AUXILIARY AT FITTING-OUT WHARF, 1 TRAIN FERRY, 1 TUG ON BUILDING WAY, 1 BUCKET-DREDGE ON BUILDING WAY, 2 PROBABLE RIVER BARGES, 18 PROBABLE FISHING BOATS (6 ON BUILDING WAYS), AND NUMEROUS SMALL CRAFT. A MODIFIED RIGA-CLASS DE IS LOCATED 4.7 NM UP THE HUANG-PU AT 31-07N 121-28E. [] -- 1 R-CLASS SS, 2 W/R-CLASS SS (ONE APPARENTLY RED-LEADED), 1 CASTLE-CLASS PF, 1 KAIBOKAN-CLASS PF, 1 LARGE MERCHANT HULL UNDER CONSTRUCTION, 1 MERCHANT SHIP IN GRAVING DOCK, 1 MERCHANT SHIP/NAVAL AUXILIARY AT FITTING-OUT WHARF AND NUMEROUS SMALL VESSELS.

25X1

25X1

A TRANSVERSER FROM THE LARGE FABRICATION BUILDING IS BEING EXTENDED TO REACH ALL BUILDING WAY CRANEWAYS. NUMEROUS TRUCKS ARE PARKED WITHIN THE CONFINES OF THE SHIPYARD AND APPROXIMATELY 6 CYLINDRICAL OBJECTS ARE LOCATED IN THE BUILDING AREA.

(SEE ATTACHMENT)

25X1

TA-HSIEH TAO NAVAL BASE

CH 2953N 12157E

25X1

OB -- 3 W/R-CLASS SS, 2 S-1-CLASS OSS, 3 PROBABLE SUBMARINE STERNS VISIBLE EXTENDING FROM UNDER A CLOUD, 1 TA-CHIH-CLASS ASL, AND 2 UNIDENTIFIED SMALL VESSELS.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

(SEE ATTACHMENT)

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

CHOU-SHAN NAVAL BASE AND SHIPYARD

CH 3000N 12206E

OB -- 3 RIGA-CLASS DE, 1 UKURU-CLASS PF, AND 3 KAIBOKAN-CLASS PF. ONE PROBABLE SHANGHAI-CLASS PTF IS UNDERWAY HEADING EAST AT 29-58N 121-57E.

ONLY THE CHOU-SHAN PORT FACILITIES WEST ARE COVERED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

(SEE ATTACHMENT)

SHANG-HAI NAVAL BASE WU-SUNG

CH 3123N 12130E

OB -- 2 T-43-CLASS MSF, 1 CHANG CHIANG OPF, 1 SHANGHAI-CLASS PTF, 1 LSIL-1-CLASS LSIL, 2 POSSIBLE GOLOVNY-CLASS ATA, AND 2 UNIDENTIFIED SMALL CRAFT. AT KAO-CHIAO SUBMARINE PIER -- 1 S-1-CLASS OSS, 3 SHANGHAI-CLASS PTF, AND 3 SWATOW-CLASS PGM.

-- 1 T-43-CLASS MSF, 1 CHANG CHIANG OPF, 2 POSSIBLE SHANGHAI-CLASS PTF, 2 POSSIBLE SWATOW-CLASS PGM, 4 POSSIBLE YP, AND NUMEROUS SMALL AUXILIARIES. AT KAO-CHIAO SUBMARINE PIER -- 1 PROBABLE S-1-CLASS OSS, 3 POSSIBLE SHANGHAI-CLASS PTF, AND 3 POSSIBLE SWATOW-CLASS PGM.

(SEE ATTACHMENT)

SHANG-HAI SHIPYARD COMPLEX

CH 3115N 12132E

SHANG-HAI SHIPYARD EAST --

THE MAJOR REPAIR/BUILDING YARD CONTAINS 7 FLOATING OFFSHORE WHARFS, 3 PIERS, 1 GRAVING DOCK, 1 SIDE-LAUNCHING WAY WITH TRANSVERSER, 6 REPAIR/BUILDING WAYS, 1 ADMINISTRATION BUILDING, 4 LARGE FABRICATION BUILDINGS, AND NUMEROUS SMALLER BUILDINGS.

OB -- 2 M-V-CLASS SS, 1 PROBABLE FLOWER-CLASS OPF, 1 POSSIBLE SHANGHAI-CLASS PTF, AND AT LEAST 4 UNIDENTIFIED VESSELS ON WAYS AND 1 HASHIDATE-CLASS OPF,

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

CHOU-SHAN NAVAL BASE AND SHIPYARD

CH 3000N 12206E

OB -- 3 RIGA-CLASS DE, 1 UKURU-CLASS PF, AND 3 KAIBOKAN-CLASS PF. ONE PROBABLE SHANGHAI-CLASS PTF IS UNDERWAY HEADING EAST AT 29-58N 121-57E.

ONLY THE CHOU-SHAN PORT FACILITIES WEST ARE COVERED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

(SEE ATTACHMENT)

SHANG-HAI NAVAL BASE WU-SUNG

CH 3123N 12130E

OB -- 2 T-43-CLASS MSF, 1 CHANG CHIANG OPF, 1 SHANGHAI-CLASS PTF, 1 LSIL-1-CLASS LSIL, 2 POSSIBLE GOLOVNYI-CLASS ATA, AND 2 UNIDENTIFIED SMALL CRAFT. AT KAO-CHIAO SUBMARINE PIER -- 1 S-1-CLASS OSS, 3 SHANGHAI-CLASS PTF, AND 3 SWATOW-CLASS PGM.

-- 1 T-43-CLASS MSF, 1 CHANG CHIANG OPF, 2 POSSIBLE SHANGHAI-CLASS PTF, 2 POSSIBLE SWATOW-CLASS PGM, 4 POSSIBLE YP, AND NUMEROUS SMALL AUXILIARIES. AT KAO-CHIAO SUBMARINE PIER -- 1 PROBABLE S-1-CLASS OSS, 3 POSSIBLE SHANGHAI-CLASS PTF, AND 3 POSSIBLE SWATOW-CLASS PGM.

(SEE ATTACHMENT)

SHANG-HAI SHIPYARD COMPLEX

CH 3115N 12132E

SHANG-HAI SHIPYARD EAST --

THE MAJOR REPAIR/BUILDING YARD CONTAINS 7 FLOATING OFFSHORE WHARFS, 3 PIERS, 1 GRAVING DOCK, 1 SIDE-LAUNCHING WAY WITH TRANSVERSER, 6 REPAIR/BUILDING WAYS, 1 ADMINISTRATION BUILDING, 4 LARGE FABRICATION BUILDINGS, AND NUMEROUS SMALLER BUILDINGS.

OB -- 2 M-V-CLASS SS, 1 PROBABLE FLOWER-CLASS OPF, 1 POSSIBLE SHANGHAI-CLASS PTF, AND AT LEAST 4 UNIDENTIFIED VESSELS ON WAYS AND 1 HASHIDATE-CLASS OPF,

TOP SECRET CHESS RUFF

TOP SECRET CHESH RUFF 25X1

MISSION 4030, 13-20 JULY 1966

1 BATHURST-CLASS OPF, 1 POSSIBLE KRONSTADT-CLASS PC, 1 PROBABLE NEW-CLASS PGM (SIMILAR TO SHANGHAI-CLASS PTF, BUT LONGER), 1 SHANGHAI-CLASS PTF, 2 LSIL-CLASS LSIL, 1 LSM-1-CLASS LSM, 1 LST-1-CLASS LST, 1 ARL-1-CLASS ARL, 2 PROBABLE ATA, 1 UNIDENTIFIED LARGE TUG, 1 FLOATING SHEARLEGS CRANE, 2 FUEL BARGES, 2 BARGES, 4 UNIDENTIFIED VESSELS, AND 3 SMALL CRAFT AT WHARFS.

119D -- 2 SMALL SS, 1 POSSIBLE FLOWER-CLASS OPF AND AT LEAST 5 UNIDENTIFIED VESSELS ON WAYS AND 1 HASHIDATE-CLASS OPF, 1 POSSIBLE KRONSTADT-CLASS PC, 1 POSSIBLE NEW-CLASS PGM, 1 SHANGHAI-CLASS PTF, 2 RED-LEADED LSIL-CLASS LSIL, 1 LSM-1-CLASS LSM, 1 RED-LEADED LST-1-CLASS LST, 1 ARL-1-CLASS ARL, 2 PROBABLE ATA, 1 FLOATING SHEARLEGS CRANE, 2 FUEL BARGES, 2 BARGES, 5 UNIDENTIFIED VESSELS, AND 5 SMALL CRAFT.

SHANG-HAI SHIPYARD CHUNG-HUA --

FACILITIES INCLUDE 1 FLOATING OFFSHORE WHARF, 3 BUILDING/LAUNCHING WAYS, 3 CRANEWAYS WITH 4 CRANES, 2 AUTOMOTIVE CRANES, 2 VERTICAL STORAGE TANKS, 4 LARGE FABRICATION/SHOP BUILDINGS, AND NUMEROUS SMALLER BUILDINGS INCLUDING 1 UNDER CONSTRUCTION.

OB -- ☐ -- 2 NEW-CLASS PROBABLE YP, AND 4 NEW-CLASS LCVP ON WAYS, SEVERAL HULL COMPONENTS IN YARD, AND 1 NEW-CLASS PROBABLE YP, 10 NEW-CLASS LCVP, 1 NEW AUXILIARY, 1 FLOATING CRANE, AND 1 SERVICE BARGE AT FITTING-OUT WHARF. 25X1

☐ -- 1 NEW-CLASS PROBABLE YP AND 1 UNIDENTIFIED CRAFT ON WAYS AND 2 NEW-CLASS PROBABLE YP, 12 NEW-CLASS LCVP, 1 NEW AUXILIARY, 1 FLOATING CRANE, AND 1 SERVICE BARGE AT FITTING-OUT WHARF. 25X1

SHANG-HAI SHIPYARD WEST --

FACILITIES INCLUDE 2 GRAVING DOCKS, A FITTING-OUT QUAY, 1 MARINE RAILWAY, 2 CRANEWAYS WITH JIB CRANES, 1 LARGE FABRICATION BUILDING, AND SEVERAL SMALLER BUILDINGS.

VESSELS -- BOTH PASSES -- 2 PASSENGER VESSELS AND 1 SMALL CRAFT IN GRAVING DOCKS AND 1 FREIGHTER AND 1 PASSENGER VESSEL AT FITTING-OUT QUAY.

SHANG-HAI NVB AND SHPYD HU-TUNG --

ROAD-SERVED MAJOR CIVIL AND NAVAL SHIPYARD INCLUDES 3 OFFSHORE WHARFS (2 WITH CRANEWAYS), 1 FINGER PIER, 1

TOP SECRET CHESH RUFF 25X1

TOP SECRET CHESS RUFF
MISSION 4030, 13-20 JULY 1966

25X1
25X1

SIDE-LAUNCHING WAY WITH TRANSVERSER, 1 LAUNCHING BASIN, 1 END-HAUL MARINE RAILWAY, 4 BUILDING WAYS SERVED BY 3 CRANEWAYS AND 6 CRANES, 2 VERY LARGE FABRICATION BUILDINGS, 10 LARGE FABRICATION/SHOP BUILDINGS, 1 TRANSFORMER YARD, 1 STEAMPLANT, 1 WATER TOWER, 1 VERTICAL AND 7 HORIZONTAL TANKS, AND NUMEROUS SMALL BUILDINGS.

OB -- ☐ -- 2 TANKERS AND 3 UNIDENTIFIED VESSELS ON OPEN BUILDING WAYS, 1 NEW-CLASS PT/YP (SIMILAR TO P-4-CLASS PT, BUT LARGER), 1 POSSIBLE NEW-CLASS PT/YP STERN PROTRUDING FROM UNDER A SHED, AND 2 BARGES ON PARTIALLY COVERED BUILDING WAYS, 1 OSA-CLASS PTFG, 2 NEW-CLASS PT/YP (ON WHARF), AND 1 FLOATING CRANE AT NORTH WHARF, AND 1 POSSIBLE SWATOW-CLASS PGM, 1 AO (UNNAMED CLASS), 1 UNIDENTIFIED PROBABLE AUXILIARY, 2 TANKERS, 1 FERRY, 1 BARGE, 1 UNIDENTIFIED VESSEL, AND SEVERAL SMALL CRAFT AT LONG WHARF. NUMEROUS SHIP HULL COMPONENTS ARE IN YARD.

25X1

☐ -- 2 TANKERS AND 2 UNIDENTIFIED VESSELS (ALL RED-LEADED) ON OPEN BUILDING WAYS, 1 NEW-CLASS PT/YP, 1 POSSIBLE NEW-CLASS PT/YP STERN PROTRUDING FROM UNDER A SHED, AND 2 RED-LEADED BARGES ON PARTIALLY COVERED BUILDINGWAYS, 1 OSA-CLASS PTFG, 2 NEW-CLASS PT/YP (ON WHARF), AND 1 RED-LEADED FLOATING CRANE AT NORTH WHARF, AND 2 AO (UNNAMED CLASS), 1 UNIDENTIFIED PROBABLE AUXILIARY, 1 RED-LEADED TANKER, 1 FERRY, 1 FLOATING CRANE, AND SEVERAL SMALL CRAFT AT LONG WHARF. NUMEROUS SHIP HULL COMPONENTS ARE IN YARD.

25X1

25X1

25X1

**Biological/
Chemical
Warfare**

Page Denied

Next 2 Page(s) In Document Denied

**Electronics/
Communications**

Page Denied

**Military
Activity**

TOP SECRET CHSS RUFF

MISSION 4030, 13-20 JULY 1966

MILITARY ACTIVITY

CHU-CHING MILITARY AREA

CH 2531N 10347E

OB -- 5 VEHICLES/PIECES OF EQUIPMENT.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO OTHER MILITARY INSTALLATIONS OBSERVED IN THE AREA.

NO ELECTRONICS OR COMMUNICATIONS FACILITIES OBSERVED.

25X1

25X1

FU-CHING ARMY BARRACKS NORTHWEST SHAN-TIEN CH 2548N 11918E

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1

FU-TING ARMY BARRACKS

CH 2718N 12012E

NO INDICATION OF TROOP OR SUPPLY BUILDUP OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1

HAN-CHIANG ARMY BARRACKS NORTH

CH 2529N 11906E

OB -- 8 VEHICLES/PIECES OF EQUIPMENT.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TOP SECRET CHSS RUFF

25X1

MISSION 4030, 13-20 JULY 1966

PU-TIEN ARMY BARRACKS NORTH-NORTHEAST CH 2529N 11901E

25X1

OB -- 2 POSSIBLE CARGO TRUCKS.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

SHEN-YANG SUPPLY DEPOT NORTHEAST CH 4156N 12330E

CONSIDERABLE UNIDENTIFIED MATERIAL IS STORED IN OPEN
STORAGE AREAS. SMALL SCALE PRECLUDES DETERMINATION OF
MILITARY OR CIVILIAN ASSOCIATION.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

SHEN-YANG ARMY BARRACKS SOUTHWEST CH 4145N 12317E

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1

SHU-CHANG SUPPLY DEPOT HAI-KOU CH 2001N 11016E

NO INDICATION OF TROOP OR SUPPLY BUILDUP OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1

TSAO-WU STORAGE AREA CH 2432N 11337E

NO INDICATIONS OF TROOP OR SUPPLY BUILDUP OBSERVED. NO
CW MUNITIONS STORAGE OBSERVED.

25X1

TOP SECRET CHSS RUFF

TOP SECRET CHES RUFF

25X1
25X1

MISSION 4030, 13-20 JULY 1966

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1

SHAO CHINESE CAMP

TI 2746N 09155E

25X1

NO INDICATION OF TROOP OR SUPPLY BUILDUP OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1

TZU-MU-TSUNG BARRACKS NORTHWEST

TI 2941N 09423E

OB -- 4 PROBABLE CARGO TRUCKS.

NEW CONSTRUCTION ACTIVITY IS OBSERVED APPROXIMATELY 0.8
NM EAST OF AREA C AND JUST SOUTH OF ROAD. THE AREA
CONTAINS APPROXIMATELY 50 BUILDINGS IN VARIOUS STAGES
OF CONSTRUCTION. APPROXIMATELY 30 ADDITIONAL BUILDINGS
(WORKERS HOUSING AND ASSOCIATED SUPPORT BUILDINGS) AND
10 TENTS IN THE AREA APPEAR TO BE ASSOCIATED WITH THE
CONSTRUCTION ACTIVITY. NUMEROUS PILES OF CONSTRUCTION
MATERIAL OBSERVED THROUGHOUT THE AREA. NO WEAPONS
OBSERVED.

AREA A CONTAINS A PREVIOUSLY UNREPORTED HOSPITAL
CONSISTING OF 7 INTERCONNECTED WINGS AND A PROBABLE
MESSHALL. AREAS B, C, AND D ARE CLOUD COVERED.

25X1

CHIU-WENG-YUAN ARMY BARRACKS SOUTHWEST

CH 2419N 11343E

7 NM SW OF CHIU-WENG-YUAN.

INSTALLATION CONTAINS 61 BARRACKS, 4 ADMINISTRATION
BUILDINGS, AND 40 STORAGE/SUPPORT BUILDINGS. THE
DEGREE OF ACTIVITY CANNOT BE DETERMINED. NO APPARENT
BUILDUP OF TROOPS, MATERIAL, OR SECURITY OBSERVED.

25X1

TOP SECRET CHES RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

DEFENSES INCLUDE SOME POSSIBLE TRENCHING.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

25X1

TOP SECRET CHESS RUFF

25X1

Complexes

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

COMPLEXES

FU-CHOU COMPLEX

CH 2605N 11918E

NO SIGNIFICANT CHANGE OBSERVED. GRAY SMOKE IS RISING FROM THE FU-CHOU CHEMICAL PLANT. RAIL TRAFFIC APPEARS TO BE MODERATE.

PASS ☐ CAN BE IDENTIFIED ONLY.

SHANG-HAI COMPLEX

CH 3114N 12128E

NO SIGNIFICANT CHANGES OBSERVED. SMOKE IS RISING FROM 2 STACKS AT THE THERMAL POWERPLANT, FROM 5 STACKS AT THE IRON AND STEEL PLANT, AND FROM 2 STACKS AT THE UNIDENTIFIED INDUSTRY. THE AMOUNT OF RAW MATERIAL AND TRANSPORTATION ACTIVITY INDICATE AT LEAST A MODERATE AMOUNT OF INDUSTRIAL ACTIVITY.

SHEN-YANG COMPLEX

CH 4148N 12327E

NO SIGNIFICANT CHANGES OBSERVED. SMOKE IS RISING FROM AT LEAST ONE STACK AND THERE IS A MODERATE AMOUNT OF RAIL TRAFFIC.

CHONGJIN COMPLEX

KN 4146N 12946E

IDENTIFICATION ONLY.

TOP SECRET CHESS RUFF

Index

TOP SECRET CHESS RUFF

25X1

MISSION 4030, 13-20 JULY 1966

INDEX OF COMOR TARGETS

COMOR INSTALLATION NAME CTY COORDINATES OAK

PLESETSK ICBM COMPLEX	UR 6254N 04038E	2
PLESETSK ICBM COMPLEX SUPPORT FACILITY	UR 6254N 04038E	2
PLESETSK ICBM RAIL-TO-ROAD TRANSFER POINT	UR 6255N 04044E	2

25X1

PLESETSK ICBM LAUNCH SITE 2 (III)	UR 6256N 04031E	2
PLESETSK ICBM LAUNCH SITE 3 (IV)	UR 6257N 04041E	2
PLESETSK ICBM LAUNCH SITE 4 (A)	UR 6258N 04046E	2
PLESETSK ICBM LAUNCH SITE 5 (B)	UR 6303N 04057E	2
PLESETSK ICBM LAUNCH SITE 6 (C)	UR 6300N 04052E	2
PLESETSK ICBM LAUNCH SITE 7 (E)	UR 6251N 04034E	2
PLESETSK ICBM LAUNCH SITE 8 (D)	UR 6253N 04047E	2
PLESETSK ICBM LAUNCH SITE 9 (G)	UR 6253N 04051E	2
PLESETSK ICBM LAUNCH SITE 10 (H)	UR 6252N 04052E	2
PLESETSK SSM LAUNCH SITE 13 (F)	UR 6252N 04044E	2
PLESETSK ICBM PROB LAUNCH SITE 16	UR 6246N 04035E	2
YURYA ICBM COMPLEX	UR 5904N 04917E	2

25X1

YURYA ICBM LAUNCH SITE 1 (B)	UR 5909N 04939E	2
YURYA ICBM LAUNCH SITE 2 (A)	UR 5910N 04931E	2
YURYA ICBM LAUNCH SITE 3 (C)	UR 5913N 04925E	2
YURYA ICBM LAUNCH SITE 4 (D)	UR 5916N 04922E	2
YURYA ICBM LAUNCH SITE 5 (E)	UR 5922N 04917E	2
YURYA ICBM LAUNCH SITE 7 (F)	UR 5920N 04914E	2
YURYA ICBM LAUNCH SITE 8 (H)	UR 5911N 04946E	2
YURYA ICBM LAUNCH SITE 9 (J)	UR 5906N 04945E	2
YURYA ICBM LAUNCH SITE 10 (K)	UR 5913N 04918E	2
YURYA ICBM LAUNCH SITE 11 (I)	UR 5920N 04925E	2
VERKHNYAYA SALDA ICBM COMPLEX	UR 5802N 06024E	1
VERKHNYAYA SALDA ICBM LAUNCH SITE 5	UR 5813N 06054E	1
VERKHNYAYA SALDA ICBM LAUNCH SITE 7	UR 5814N 06040E	1
VERKHNYAYA SALDA ICBM LAUNCH SITE 8	UR 5813N 06049E	1
TYURATAM MISSILE TEST CENTER	UR 4538N 06317E	2
TYURATAM LAUNCH COMPLEX G	UR 4604N 06255E	2
TYURATAM LAUNCH GROUP K (SITE K3)	UR 4604N 06256E	2
TYURATAM LAUNCH GROUP L (SITE L1)	UR 4603N 06259E	2
TYURATAM LAUNCH GROUP L (SITE L2)	UR 4606N 06300E	2
TYURATAM LAUNCH GROUP L (SITE L5)	UR 4559N 06257E	2
TYURATAM LAUNCH GROUP L (SITE L6)	UR 4601N 06253E	2
TYURATAM LAUNCH GROUP L (SITE L7)	UR 4605N 06255E	2
TYURATAM LAUNCH GROUP M (SITES M1,M2)	UR 4603N 06302E	2
TYURATAM LAUNCH GROUP N (SITE N2-N3)	UR 4604N 06257E	2
YOSHKAR-OLA ICBM COMPLEX	UR 5633N 04801E	1
YOSHKAR-OLA ICBM LAUNCH SITE 2	UR 5634N 04817E	1
YOSHKAR-OLA ICBM LAUNCH SITE 3	UR 5631N 04827E	1
YOSHKAR-OLA ICBM LAUNCH SITE 4	UR 5630N 04819E	1

25X1

TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

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25X1

YOSHKAR-OLA ICBM LAUNCH SITE 6	UR 5636N 04828E	1	25X1
SVOBODNY ICBM COMPLEX	UR 5146N 12806E	1	
SVOBODNY ICBM POSS LAUNCH SITE 28	UR 5123N 12802E	1	
ITATKA ICBM COMPLEX	UR 5650N 08535E	1	
OMSK ICBM COMPLEX	UR 5504N 07331E	1	
PERM ICBM COMPLEX	UR 5742N 05619E	1	
PERM ICBM LAUNCH SITE 42	UR 5752N 05635E	1	
TYUMEN ICBM COMPLEX	UR 5652N 06551E	1	
TYUMEN ICBM RAIL-TO-ROAD TRANSFER POINT	UR 5653N 06548E	1	
TYUMEN ICBM LAUNCH SITE 2	UR 5650N 06526E	1	
TYUMEN ICBM LAUNCH SITE 3	UR 5651N 06533E	1	
GLADKAYA ICBM COMPLEX	UR 5606N 09214E	2	
GLADKAYA ICBM LAUNCH SITE 16 (G1)	UR 5614N 09145E	2	
GLADKAYA ICBM LAUNCH SITE 21 (G4)	UR 5613N 09200E	2	
GLADKAYA ICBM LAUNCH SITE 28 (H3)	UR 5611N 09245E	2	
GLADKAYA ICBM LAUNCH SITE 29 (H8)	UR 5612N 09250E	2	
UZHUR ICBM COMPLEX	UR 5517N 08949E	1	
UZHUR ICBM RAIL-TO-ROAD TRANSFER POINT	UR 5516N 08944E	1	
UZHUR ICBM LAUNCH SITE 1	UR 5520N 08943E	1	
UZHUR ICBM LAUNCH SITE 12	UR 5507N 08937E	1	
UZHUR ICBM LAUNCH SITE 16	UR 5501N 08933E	1	
UZHUR ICBM LAUNCH SITE 18	UR 5457N 08940E	1	
NOVOSIBIRSK ICBM COMPLEX	UR 5515N 08259E	2	
NOVOSIBIRSK ICBM LAUNCH SITE 1 (B)	UR 5518N 08301E	2	
NOVOSIBIRSK ICBM LAUNCH SITE 5 (E)	UR 5519N 08256E	2	
KOZELSK ICBM COMPLEX	UR 5356N 03549E	2	
OLOVYANNAYA ICBM COMPLEX	UR 5049N 11550E	1	
OLOVYANNAYA ICBM LAUNCH SITE 2	UR 5055N 11544E	1	
OLOVYANNAYA ICBM LAUNCH SITE 20	UR 5059N 11554E	1	
OLOVYANNAYA ICBM LAUNCH SITE 25	UR 5043N 11544E	1	
OLOVYANNAYA ICBM LAUNCH SITE 26	UR 5046N 11542E	1	
OLOVYANNAYA ICBM LAUNCH SITE 33	UR 5038N 11541E	1	
OLOVYANNAYA ICBM LAUNCH SITE 34	UR 5049N 11542E	1	
ZHANGIZ-TOBE ICBM COMPLEX	UR 4912N 08109E	2	
ZHANGIZ-TOBE ICBM LAUNCH SITE 13 (N)	UR 4909N 08114E	2	
ZHANGIZ-TOBE ICBM LAUNCH SITE 14 (M)	UR 4910N 08121E	2	
ZHANGIZ-TOBE ICBM LAUNCH SITE 16	UR 4903N 08122E	2	
ZHANGIZ-TOBE ICBM LAUNCH SITE 18	UR 4905N 08114E	2	
ALEYSK ICBM COMPLEX	UR 5228N 08242E	2	
ALEYSK ICBM COMPLEX SUPPORT FACILITY	UR 5228N 08242E	2	
ALEYSK ICBM LAUNCH SITE 7 (G)	UR 5223N 08246E	2	
ALEYSK ICBM LAUNCH SITE 8 (H)	UR 5217N 08249E	2	
ALEYSK ICBM LAUNCH SITE 9 (I)	UR 5215N 08239E	2	
ALEYSK ICBM LAUNCH SITE 10 (J)	UR 5210N 08236E	2	
ALEYSK ICBM LAUNCH SITE 11 (K)	UR 5211N 08243E	2	
KARTALY ICBM COMPLEX	UR 5302N 06034E	1	
IMENI GASTELLO ICBM COMPLEX	UR 5106N 06618E	2	
IMENI GASTELLO ICBM LAUNCH SITE 15 (O)	UR 5054N 06533E	2	
IMENI GASTELLO ICBM LAUNCH SITE 17 (Q)	UR 5101N 06541E	2	

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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25X1

YOSHKAR-OLA ICBM LAUNCH SITE 6	UR 5636N 04828E 1
SVOBODNYY ICBM COMPLEX	UR 5146N 12806E 1
SVOBODNYY ICBM POSS LAUNCH SITE 28	UR 5123N 12802E 1
ITATKA ICBM COMPLEX	UR 5650N 08535E 1
OMSK ICBM COMPLEX	UR 5504N 07331E 1
PERM ICBM COMPLEX	UR 5742N 05619E 1
PERM ICBM LAUNCH SITE 42	UR 5752N 05635E 1
TYUMEN ICBM COMPLEX	UR 5652N 06551E 1
TYUMEN ICBM RAIL-TO-ROAD TRANSFER POINT	UR 5653N 06548E 1
TYUMEN ICBM LAUNCH SITE 2	UR 5650N 06526E 1
TYUMEN ICBM LAUNCH SITE 3	UR 5651N 06533E 1
GLADKAYA ICBM COMPLEX	UR 5606N 09214E 2
GLADKAYA ICBM LAUNCH SITE 16 (G1)	UR 5614N 09145E 2
GLADKAYA ICBM LAUNCH SITE 21 (G4)	UR 5613N 09200E 2
GLADKAYA ICBM LAUNCH SITE 28 (H3)	UR 5611N 09245E 2
GLADKAYA ICBM LAUNCH SITE 29 (H8)	UR 5612N 09250E 2
UZHUR ICBM COMPLEX	UR 5517N 08949E 1
UZHUR ICBM RAIL-TO-ROAD TRANSFER POINT	UR 5516N 08944E 1
UZHUR ICBM LAUNCH SITE 1	UR 5520N 08943E 1
UZHUR ICBM LAUNCH SITE 12	UR 5507N 08937E 1
UZHUR ICBM LAUNCH SITE 16	UR 5501N 08933E 1
UZHUR ICBM LAUNCH SITE 18	UR 5457N 08940E 1
NOVOSIBIRSK ICBM COMPLEX	UR 5515N 08259E 2
NOVOSIBIRSK ICBM LAUNCH SITE 1 (B)	UR 5518N 08301E 2
NOVOSIBIRSK ICBM LAUNCH SITE 5 (E)	UR 5519N 08256E 2
KOZELSK ICBM COMPLEX	UR 5356N 03549E 2
OLOVYANNAYA ICBM COMPLEX	UR 5049N 11550E 1
OLOVYANNAYA ICBM LAUNCH SITE 2	UR 5055N 11544E 1
OLOVYANNAYA ICBM LAUNCH SITE 20	UR 5059N 11554E 1
OLOVYANNAYA ICBM LAUNCH SITE 25	UR 5043N 11544E 1
OLOVYANNAYA ICBM LAUNCH SITE 26	UR 5046N 11542E 1
OLOVYANNAYA ICBM LAUNCH SITE 33	UR 5038N 11541E 1
OLOVYANNAYA ICBM LAUNCH SITE 34	UR 5049N 11542E 1
ZHANGIZ-TOBE ICBM COMPLEX	UR 4912N 08109E 2
ZHANGIZ-TOBE ICBM LAUNCH SITE 13 (N)	UR 4909N 08114E 2
ZHANGIZ-TOBE ICBM LAUNCH SITE 14 (M)	UR 4910N 08121E 2
ZHANGIZ-TOBE ICBM LAUNCH SITE 16	UR 4903N 08122E 2
ZHANGIZ-TOBE ICBM LAUNCH SITE 18	UR 4905N 08114E 2
ALEYSK ICBM COMPLEX	UR 5228N 08242E 2
ALEYSK ICBM COMPLEX SUPPORT FACILITY	UR 5228N 08242E 2
ALEYSK ICBM LAUNCH SITE 7 (G)	UR 5223N 08246E 2
ALEYSK ICBM LAUNCH SITE 8 (H)	UR 5217N 08249E 2
ALEYSK ICBM LAUNCH SITE 9 (I)	UR 5215N 08239E 2
ALEYSK ICBM LAUNCH SITE 10 (J)	UR 5210N 08236E 2
ALEYSK ICBM LAUNCH SITE 11 (K)	UR 5211N 08243E 2
KARTALY ICBM COMPLEX	UR 5302N 06034E 1
IMENI GASTELLO ICBM COMPLEX	UR 5106N 06618E 2
IMENI GASTELLO ICBM LAUNCH SITE 15 (O)	UR 5054N 06533E 2
IMENI GASTELLO ICBM LAUNCH SITE 17 (Q)	UR 5101N 06541E 2

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MISSION 4030, 13-20 JULY 1966

IMENI GASTELLO ICBM LAUNCH SITE 18 (R)	UR 5059N 06533E 2
TATISHCHEVO ICBM COMPLEX	UR 5140N 04534E 2
TATISHCHEVO ICBM COMPLEX SUPPORT FACILITY	UR 5140N 04534E 2
TATISHCHEVO ICBM RAIL-TO-ROAD TRANSFER PT	UR 5141N 04532E 2
TATISHCHEVO ICBM LAUNCH SITE 1 (A1)	UR 5148N 04539E 2
TATISHCHEVO ICBM LAUNCH SITE 2 (A2)	UR 5151N 04541E 2
TATISHCHEVO ICBM LAUNCH SITE 3 (A3)	UR 5148N 04545E 2
TATISHCHEVO ICBM LAUNCH SITE 5 (A5)	UR 5145N 04541E 2
TATISHCHEVO ICBM LAUNCH SITE 6 (A6)	UR 5144N 04535E 2
TATISHCHEVO ICBM LAUNCH SITE 7 (A7)	UR 5147N 04534E 2
TATISHCHEVO ICBM LAUNCH SITE 8 (A8)	UR 5150N 04534E 2
TATISHCHEVO ICBM LAUNCH SITE 9 (A9)	UR 5149N 04529E 2
TATISHCHEVO ICBM LAUNCH SITE 10 (A10)	UR 5153N 04536E 2
TATISHCHEVO ICBM LAUNCH SITE 11 (A4)	UR 5152N 04531E 2
TATISHCHEVO ICBM LAUNCH SITE 12 (B2)	UR 5136N 04530E 2
TATISHCHEVO ICBM LAUNCH SITE 13 (B7)	UR 5134N 04523E 2
TATISHCHEVO ICBM LAUNCH SITE 14 (B1)	UR 5133N 04529E 2
TATISHCHEVO ICBM LAUNCH SITE 15 (B4)	UR 5132N 04535E 2
TATISHCHEVO ICBM LAUNCH SITE 16 (B5)	UR 5129N 04528E 2
TATISHCHEVO ICBM LAUNCH SITE 17 (B3)	UR 5136N 04535E 2
TATISHCHEVO ICBM LAUNCH SITE 19 (B6)	UR 5131N 04523E 2
TATISHCHEVO ICBM LAUNCH SITE 21 (B9)	UR 5138N 04524E 2
TATISHCHEVO ICBM LAUNCH SITE 28 (C2)	UR 5127N 04521E 2
TATISHCHEVO ICBM LAUNCH SITE 29 (B8)	UR 5129N 04533E 2
TATISHCHEVO ICBM LAUNCH SITE 30 (B10)	UR 5140N 04529E 2
TATISHCHEVO ICBM LAUNCH SITE 35 (X1)	UR 5141N 04532E 2
TATISHCHEVO ICBM LAUNCH SITE 45 (E1)	UR 5152N 04546E 2
TATISHCHEVO ICBM LAUNCH SITE 47 (E3)	UR 5155N 04543E 2
TATISHCHEVO ICBM LAUNCH SITE 76	UR 5151N 04557E 2
TATISHCHEVO ICBM LAUNCH SITE 77	UR 5155N 04549E 2
TATISHCHEVO ICBM POSS LAUNCH SITE 78	UR 5159N 04551E 2
TATISHCHEVO ICBM POSS LAUNCH SITE 79	UR 5159N 04556E 2
TATISHCHEVO ICBM LAUNCH SITE 80	UR 5204N 04543E 2
TATISHCHEVO ICBM LAUNCH SITE 82	UR 5152N 04552E 2
TATISHCHEVO ICBM POSS LAUNCH SITE 87	UR 5149N 04554E 2
TATISHCHEVO ICBM LAUNCH SITE 90	UR 5146N 04527E 2
TATISHCHEVO ICBM POSS LAUNCH SITE 94	UR 5200N 04602E 2
TATISHCHEVO ICBM LAUNCH SITE 95	UR 5206N 04554E 2
TATISHCHEVO ICBM POSS LAUNCH SITE 96	UR 5204N 04605E 2
DEMIDOV FIXED FIELD MRBM SITE	UR 5601N 02818E 1
DYATLOVO MRBM LAUNCH SITE	UR 5333N 02516E 1
BEREZOVKA MRBM LAUNCH SITE	UR 5336N 02526E 1
ZBLYANY MRBM LAUNCH SITE	UR 5335N 02517E 1
BEREZOVKA FIXED FIELD MRBM SITE	UR 5341N 02531E 1
LIDA MRBM LAUNCH SITE 1	UR 5347N 02521E 1
LIDA MRBM LAUNCH SITE 2	UR 5357N 02528E 1
PARYSCHE MRBM LAUNCH SITE	UR 4838N 02442E 1
SHABANY FIXED FIELD MRBM SITE	UR 5723N 02813E 1
UGOLNYY MRBM-IRBM LAUNCH SITE	UR 6446N 17758E 1

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MISSION 4030, 13-20 JULY 1966

YELSK MRBM LAUNCH SITE 1	UR 5142N 02912E 1
YELSK MRBM LAUNCH SITE 2	UR 5147N 02918E 1
YELSK FIXED FIELD MRBM SITE	UR 5150N 02905E 1
GNIVAN MRBM LAUNCH SITE	UR 4909N 02812E 1
KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR 4835N 04545E 2
KAPUSTIN YAR LAUNCH COMPLEX A	UR 4842N 04615E 2
KAPUSTIN YAR LAUNCH COMPLEX B	UR 4841N 04616E 2
KAPUSTIN YAR LCH COMPLEX C	UR 4836N 04616E 2
KAPUSTIN YAR LAUNCH COMPLEX D	UR 4828N 04618E 2
KAPUSTIN YAR LAUNCH COMPLEX E	UR 4846N 04618E 2
KAPUSTIN YAR LAUNCH COMPLEX G	UR 4822N 04617E 2
KAPUSTIN YAR LAUNCH COMPLEX H	UR 4848N 04620E 2
KAPUSTIN YAR MISSILE STOR & HANDLING AREA	UR 4822N 04612E 2
SARY-SHAGAN ANTIMISSILE TEST CENTER	UR 4602N 07334E 2
MAKAT FIELD LAUNCH POINT MRBM	UR 4758N 05342E 1
SHUANG-CHENG-TZU MISSILE TEST CENTER	CH 4107N 10020E 2
SHUANG-CHENG-TZU MTC LCH CPLX A (SITE 1)	CH 4114N 10017E 2
SHUANG-CHENG-TZU MTC LCH CPLX B (SITE 2)	CH 4115N 10018E 2
SHUANG-CHENG-TZU MTC LCH CPLX C (SITE 3)	CH 4118N 10017E 2
SHUANG-CHENG-TZU SSM-SAM ASBLY & CHECK CPXCH	CH 4106N 10016E 2
HU-HO-HAO-TE SUSP SOLID PROP RKT MTR CPLX	CH 4044N 11158E 1
HSIN-CHENG SUSPECT SAM SITE	CH 2533N 11436E 1
NAN-YANG SUSPECT MISSILE ACTIVITY	CH 3248N 11214E 1
SAN SHAN PROBABLE CD POSITIONS	CH 2457N 11900E 1
CHUNG-WU PROBABLE CD POSITIONS	CH 2453N 11858E 1
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	UR 6434N 03949E 2
SEVEROMORSK NAVAL MISSILE STORAGE	UR 6906N 03328E 2
SEVEROMORSK NAVAL BASE	UR 6904N 03326E 2
GUBA SAYDA NAVAL MISSILE STORAGE	UR 6915N 03320E 2
GUBA SAYDA SUBMARINE BASE	UR 6915N 03321E 2
GUBA SAYDA NUCLEAR STORAGE SITE	UR 6915N 03322E 2
GUBA OLENYA SUBMARINE BASE	UR 6913N 03323E 2
POLYARNYY NAVAL BASE	UR 6912N 03328E 2
POLYARNYY NVL MISSILE SUPPORT FAC KISLAYA	UR 6912N 03330E 2
GUBA PALA NAVAL BASE AND SHIP REPAIR YARD	UR 6912N 03326E 2
IOKANGA NAVAL BASE AND SHIP REPAIR YARD	UR 6804N 03932E 2
PETROPAVLOVSK NAVAL BASE TARYA BAY	UR 5255N 15834E 2
PETROPAVLOVSK NAVAL MISSILE STORAGE	UR 5257N 15827E 2
PETROPAVLOVSK NVL MSL SUPPORT FACILITY	UR 5257N 15829E 2
PETROPAVLOVSK NVL B SELDEVAYA BAY	UR 5254N 15830E 2
ROSTA NAVAL BASE AND SHIPYARD SEVMORPUT	UR 6902N 03304E 2
ODESSA NAVAL BASE & SHIPYARD MARTI	UR 4629N 03044E 1
FEDOSIYA NAVAL BASE AND SHIP RPR YARD	UR 4501N 03524E 2
PALDISKI NAVAL BASE	UR 5921N 02404E 2
MOSKVA SUSPECT ABM AREA	UR 5545N 03737E 2
LENINGRAD PROB LR SAM LCH CPLX SEARCH	UR 5955N 03020E 2
LENINGRAD NW PROB LONG RANGE SAM LCH CPLX	UR 6027N 02944E 2
TALLINN PROB LONG RANGE SAM LCH CPLX	UR 5924N 02419E 2
CHEREPOVETS PROB LONG RANGE SAM LCH CPLX	UR 5906N 03810E 2

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MISSION 4030, 13-20 JULY 1966

NIZHNIY TAGIL PROB LONG RANGE SAM LCH CPLXUR	5806N 06053E	1
KIMRY PROB LONG RANGE SAM LCH CPLX	UR 5646N 03720E	1
SHUANG-CHENG-TZU MTC SAM SITE A12-2	CH 4106N 10020E	1
TE-CHOU SAM SITE A30-2	CH 3730N 11607E	1
VILYUY PROB CRUISE MSL LAUNCH SITE	UR 5250N 15837E	1
SHANG-HAI SAM SITE	CH 3126N 12126E	1
CALCUTTA SAM SITE	IN 2234N 08825E	2
KOTOVSK SAM SUPPORT FACILITY	UR 4744N 02957E	2
AS SUWAYS SAM SITE B33-2	EG 3012N 03223E	2
BELAYA TSEKOV AIRFIELD	UR 4947N 03001E	1
USSURIYSK/VOZDVIZHENKA AIRFIELD	UR 4355N 13156E	2
KHOROL AIRFIELD EAST	UR 4427N 13208E	1
SEVEROMORSK AIRFIELD	UR 6901N 03325E	1
NORILSK AIRFIELD NORTHWEST	UR 6923N 08748E	1
SHEN-YANG AIRCRAFT ENGINE PLANT	CH 4147N 12330E	2
SHEN-YANG AIRFRAME PLANT 112	CH 4152N 12325E	2
CHING-CHIANG AIRFIELD	CH 2802N 11531E	2
CHAO-TUNG AIRFIELD	CH 2719N 10345E	1
CHIANG-WAN AIRFIELD	CH 3119N 12130E	2
HAI-KOU AIRFIELD	CH 2001N 11021E	1
HSIN-CHENG AIRFIELD	CH 2533N 11436E	2
CHIU-KU-CHENG AIRFIELD	CH 3730N 11606E	2
HUAI-TE AIRFIELD	CH 4332N 12447E	2
LI-CHIA-TSUN AIRFIELD	CH 2511N 11019E	2
LING-SHUI AIRFIELD	CH 1830N 10959E	2
LU-CHOU AIRFIELD	CH 2851N 10524E	1
CHI-CHI-HA-ERH AIRFIELD SOUTH	CH 4718N 12356E	2
LUNG-HUA AIRFIELD	CH 3110N 12127E	2
MENG-TZU AIRFIELD WEST	CH 2324N 10319E	1
SHEN-YANG AIRFIELD NORTH	CH 4152N 12326E	1
FU-CHOU/NAN-TAI AIRFIELD	CH 2600N 11919E	2
PANG-FOU AIRFIELD	CH 3256N 11722E	2
PAO-SHAN AIRFIELD	CH 2503N 09909E	2
TA-CHANG AIRFIELD	CH 3119N 12125E	2
TAI-YUAN AIRFIELD NEW	CH 3749N 11233E	1
WEN-TENG AIRFIELD	CH 3711N 12213E	2
YA-MEN-TUN AIRFIELD	CH 4714N 12355E	2
YEN-CHENG AIRFIELD	CH 3326N 12012E	2
HOEMUN-NI AIRFIELD	KN 4125N 12939E	1
NAN-NING AIRFIELD SOUTH	CH 2236N 10810E	2
PI-SHAN AIRFIELD	CH 3738N 07819E	1
HO-FEI AIRFIELD	CH 3153N 11719E	2
HAI-LA-ERH AIRFIELD SOUTHWEST	CH 4909N 11941E	2
HU-HO-HAO-TE AIRFIELD EAST	CH 4051N 11148E	2
HSU-CHOU AIRFIELD NORTHWEST	CH 3417N 11710E	2
YAI-HSIEN AIRFIELD	CH 1817N 10927E	2
SHEN-YANG AIRFIELD WEST	CH 4149N 12318E	2
HSU-PU AIRFIELD	CH 2756N 11040E	2
RISALWALA AIRFIELD	PK 3122N 07300E	2

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MISSION 4030, 13-20 JULY 1966

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SHANG-HAI NVB A SHPYD CHIANG-NAN DOCK CO	CH 3112N 12129E	25X1
TA-HSIEH TAO NAVAL BASE	CH 2953N 12157E	2
CHONGJIN NAVAL BASE AND PORT FACILITIES	KN 4146N 12949E	1
HAI-KOU PORT AND NAVAL BASE	CH 2001N 11016E	1
CHOU-SHAN NAVAL BASE AND SHIPYARD	CH 3000N 12206E	2
SHANG-HAI NAVAL BASE WU-SUNG	CH 3123N 12130E	2
SHANG-HAI SHIPYARD COMPLEX	CH 3115N 12132E	2
PAI-CHENG WEAPONS TEST RANGE	CH 4543N 12239E	2
LIAO-YANG AMMO & EXPLOSIVES PLANT 375	CH 4117N 12315E	1

25X1

LU-CHOU MUNITIONS STORAGE SITES	CH 2853N 10531E	1
HSU-CHOU MUNITIONS STORAGE	CH 3414N 11707E	1
MANJAR RADAR SEARCH AREA	CH 4000N 08530E	1
AN-HSI RADAR SEARCH AREA	CH 4032N 09543E	1
AN-HSI SUSPECT ELECTRONIC SITE	CH 4043N 09550E	1
AK-YAR RADAR SEARCH AREA	CH 3624N 08610E	1
SHUANG-CHENG-TZU SUSP DOWNRANGE ACTIVITY	CH 4522N 08721E	2
ROVNO TALL KING-AIR WARNING RADAR FAC	UR 5036N 02609E	1
CHANG-NING-HSIN-HSU MILITARY COMPLEX	CH 2314N 11403E	1
CHU-CHING MILITARY AREA	CH 2531N 10347E	2
FU-CHING ARMY BARRACKS NORTHWEST SHAN-TIEN	CH 2548N 11918E	2
FU-CHOU ARMY BARRACKS NORTH	CH 2607N 11919E	1
FU-TING ARMY BARRACKS	CH 2718N 12012E	2
HAN-CHIANG ARMY BARRACKS NORTH	CH 2529N 11906E	2
HUI-YANG TRAINING AREA	CH 2312N 11401E	1
SHANG-KAN MILITARY ACTIVITY	CH 2554N 11922E	1
PI-SHAN SUPPLY DEPOT	CH 3737N 07818E	1
PU-TIEN ARMY BARRACKS NORTH-NORTHEAST	CH 2529N 11901E	2
SHEN-YANG SUPPLY DEPOT NORTHEAST	CH 4156N 12330E	2
SHEN-YANG ARMY BARRACKS SOUTHWEST	CH 4145N 12317E	2
SHU-CHANG SUPPLY DEPOT HAI-KOU	CH 2001N 11016E	2
CHU-HAI BARRACKS AND STORAGE AREA EAST	CH 2222N 11335E	1
TSAO-WU STORAGE AREA	CH 2432N 11337E	2
CHANG CHENMO RIVER MILITARY AREA	JK 3425N 07844E	1
SHAO CHINESE CAMP	TI 2746N 09155E	2
TRADUM BARRACKS AND STORAGE DEPOT	TI 2938N 08411E	1

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MISSION 4030, 13-20 JULY 1966

TZU-MU-TSUNG BARRACKS NORTHWEST	TI 2941N 09423E 2
TZU-LA MILITARY CAMPS	TI 2933N 09418E 1
JIH-KO-TSE ARMY BKS TASHI KYITSA MAGAR	TI 2915N 08853E 1
CHIU-WENG-YUAN ARMY BARRACKS SOUTHWEST	CH 2419N 11343E 2
CHIU-WENG-YUAN ARMY BARRACKS NORTHEAST	CH 2423N 11351E 1
YANG-KAO HQ 194TH INFANTRY DIVISION	CH 4022N 11344E 1
WU-LAN-HUA BARRACKS AREA	CH 4132N 11141E 1
WU-YUAN MILITARY INSTALLATION	CH 4107N 10815E 1
YUAN-PING ARMY BARRACKS	CH 3843N 11242E 1
LO-YANG ARMY SCHOOL AND BARRACKS WEST	CH 3440N 11220E 1
LO-YANG ARMY SCHOOL & BARRACKS SOUTHWEST	CH 3436N 11221E 1
HSU-CHOU HEADQUARTERS 68TH ARMY	CH 3416N 11711E 1
I-CHUN PROBABLE MILITARY BARRACKS AREA	CH 2748N 11424E 1
LUNG-TANG ARMY BARRACKS TIEN-TUN-YUAN	CH 1923N 11013E 1
NAN-CHANG MILITARY BARRACKS WEST	CH 2840N 11547E 1
LOP NOR (LAKE)	CH 3954N 09022E 1
CHI-CHI-HA-ERH COMPLEX	CH 4721N 12358E 1
FU-CHOU COMPLEX	CH 2605N 11918E 2
SHANG-HAI COMPLEX	CH 3114N 12128E 2
SHEN-YANG COMPLEX	CH 4148N 12327E 2
CHONGJIN COMPLEX	KN 4146N 12946E 2
CHANGJON COMPLEX	KN 3844N 12812E 1
CHI-CHI-HA-ERH ARMS & AMMO PLANT 127	CH 4720N 12359E 1
PANG-PEI RAIL FACILITIES	CH 4341N 11159E 1
I-CHUN MILITARY STORAGE AREA	CH 2748N 11429E 1

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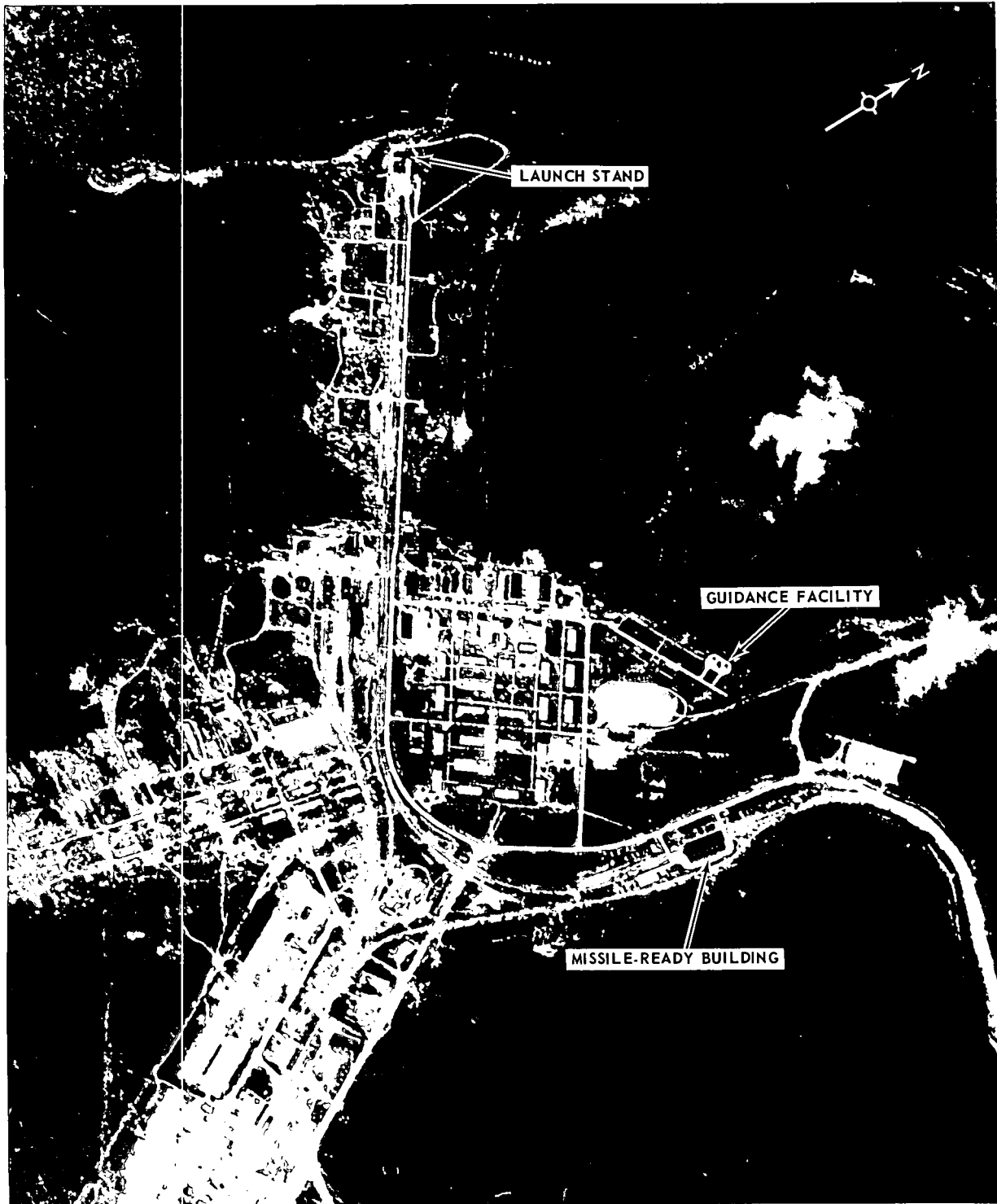
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Attachments

MISSION 4030, 13-20 JULY 1966

ATTACHMENT 1



LAUNCH SITE 3, PLESETSK ICBM COMPLEX, USSR

NPIC L-1282 (7/66)

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TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

ATTACHMENT 2

25X1



LAUNCH AREA G1-G2, TYURATAM MISSILE TEST CENTER, USSR

TOP SECRET CHESS RUFF

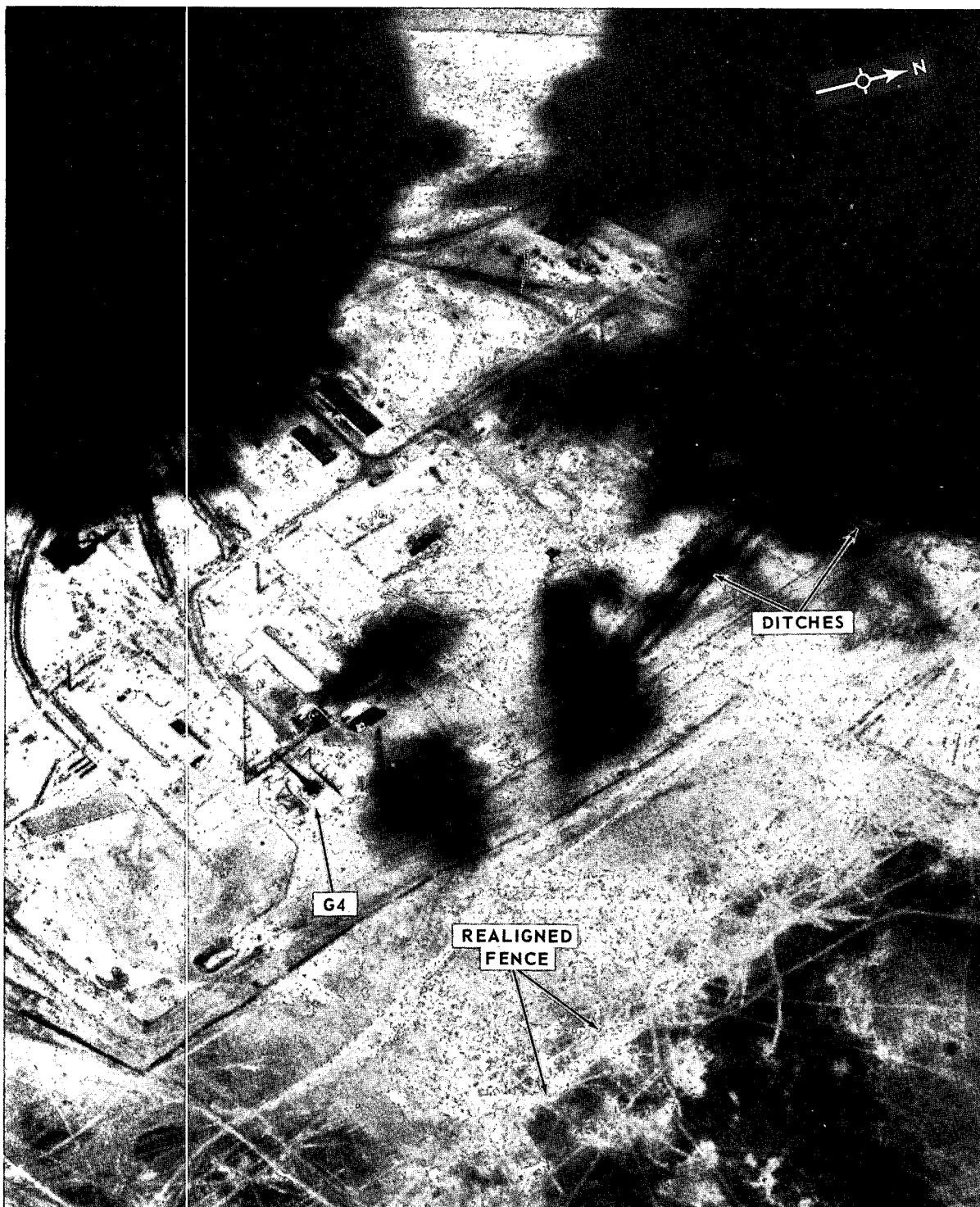
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 3



LAUNCH AREA G3-G4, TYURATAM MISSILE TEST CENTER, USSR

NPIC L-1296 (7/66)

TOP SECRET CHESS RUFF

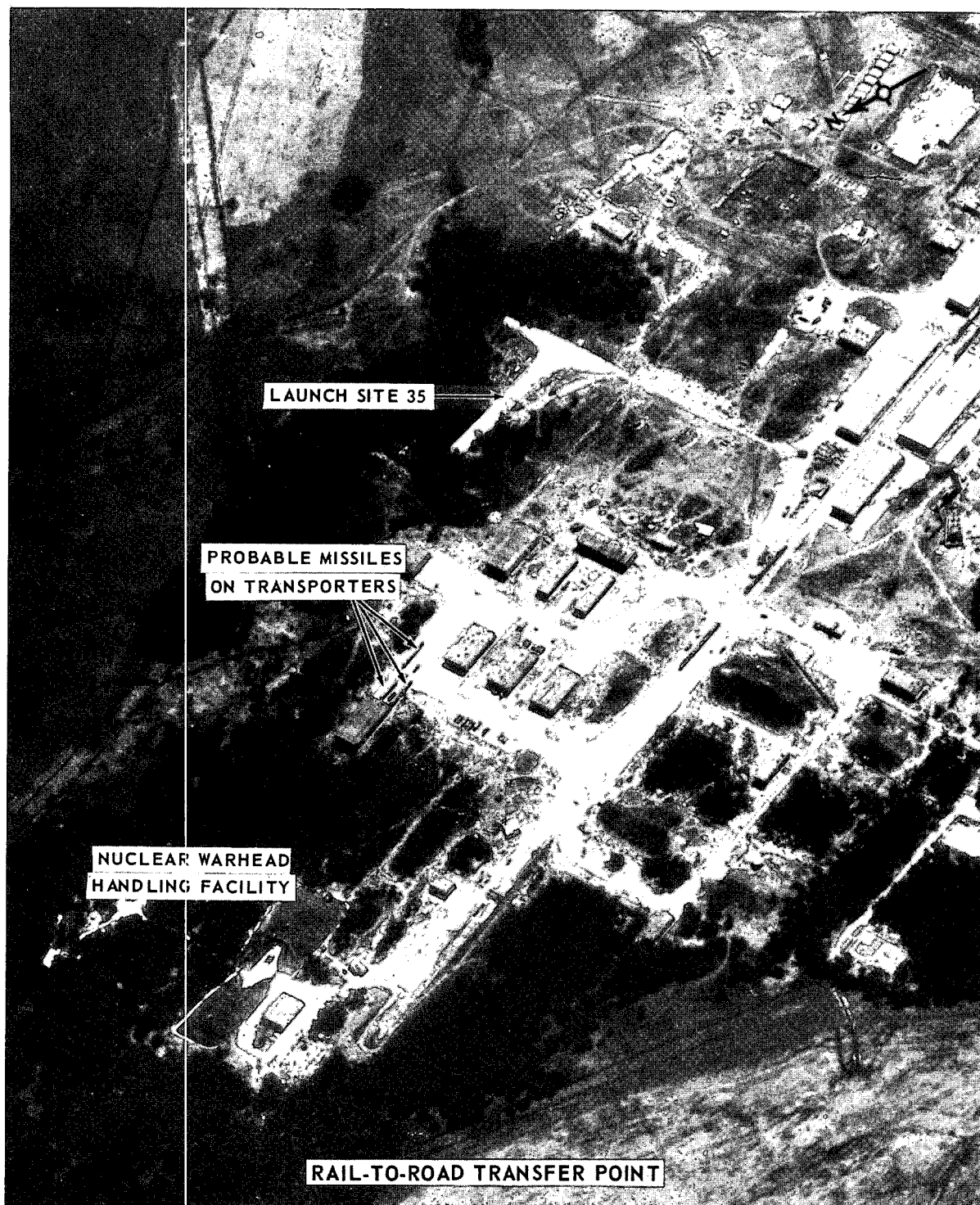
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 4

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ICBM COMPLEX, TATISHCHEVO, USSR

NPIC L-1297 (7/66)

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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 5

25X1



ICBM COMPLEX, TATISHCHEVO, USSR

NPIC L-1298 (7/66)

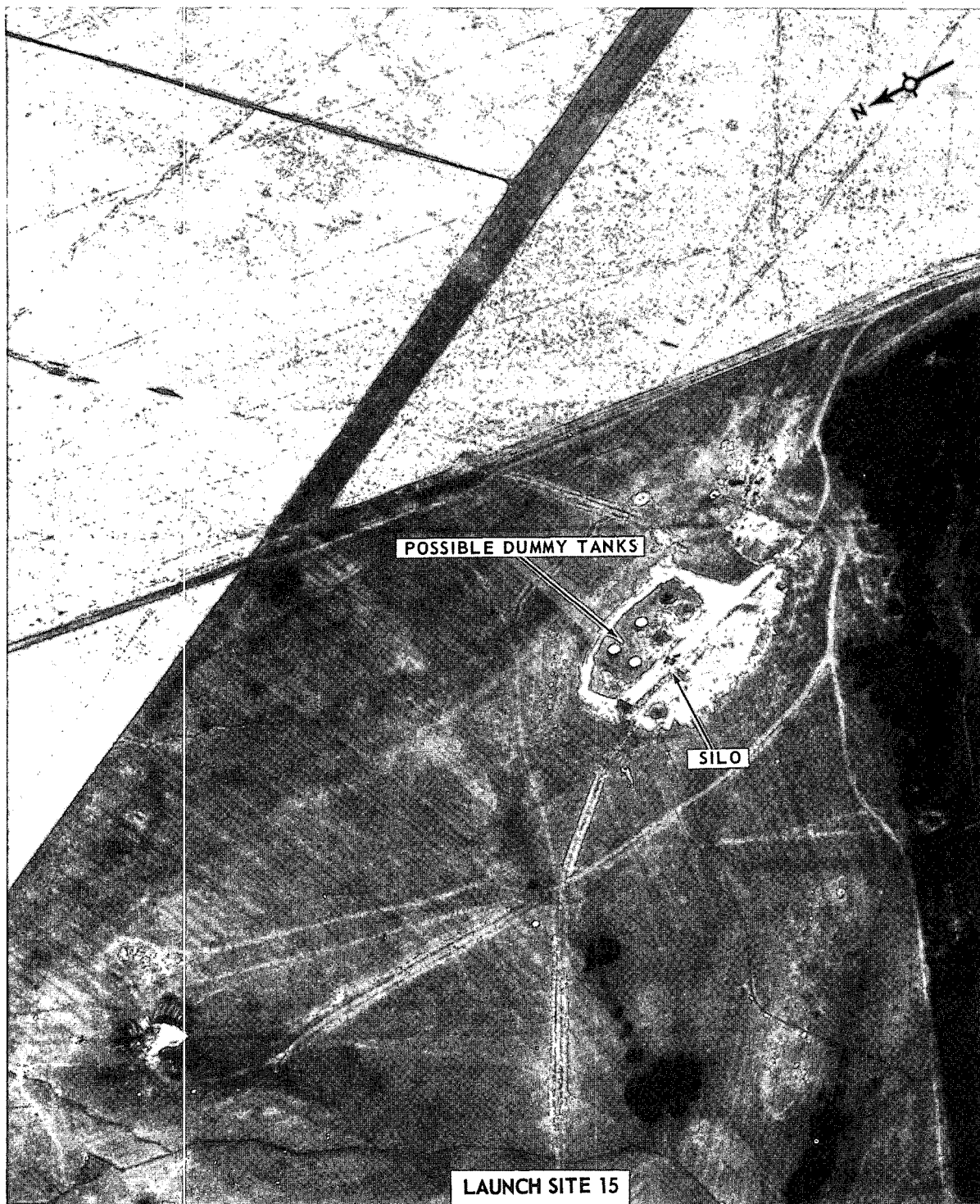
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 6



ICBM COMPLEX, TATISHCHEVO, USSR

NPIC L-1299 (7/66)

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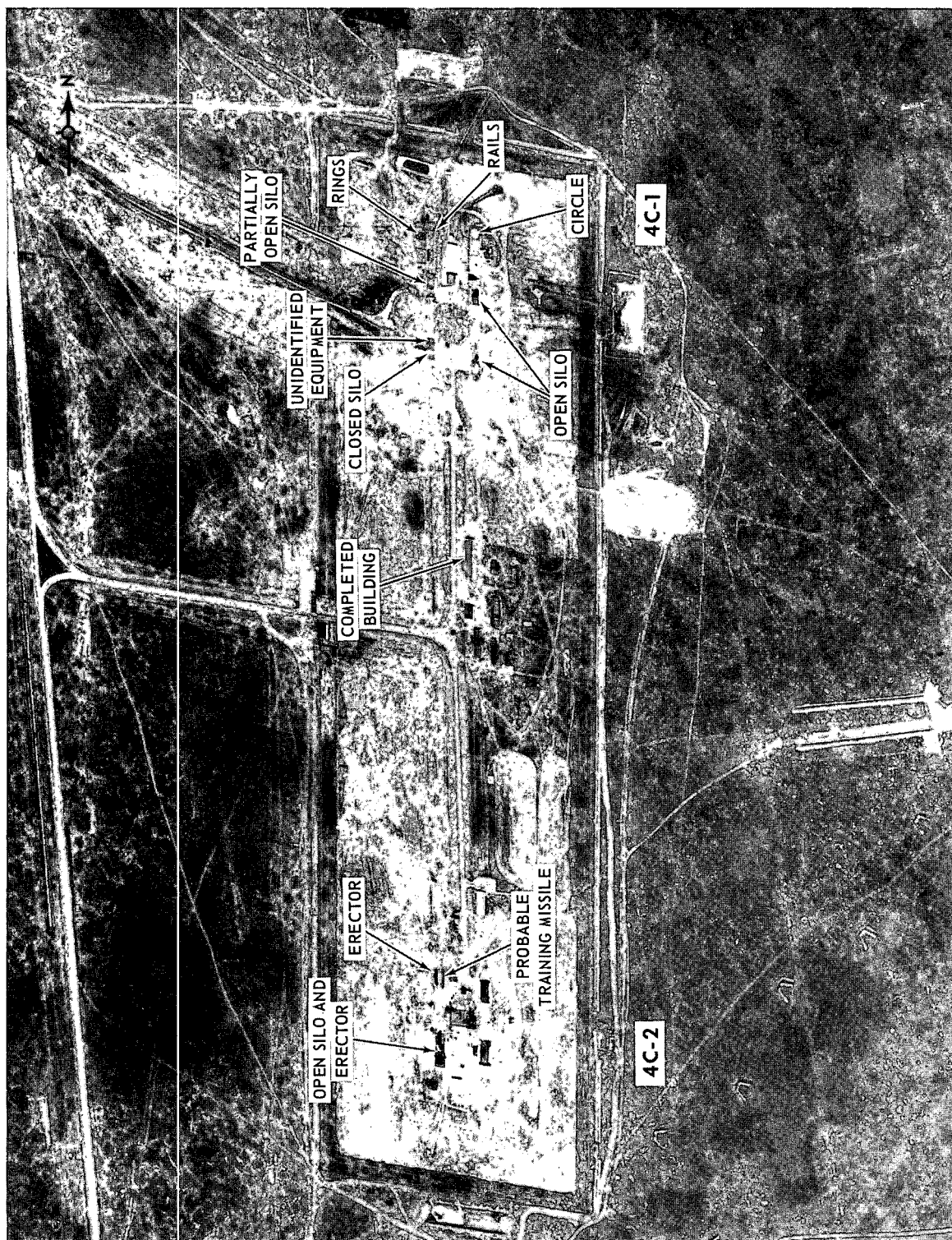
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 7

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LAUNCH AREA 4C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

NPIC L-1300 (7/66)

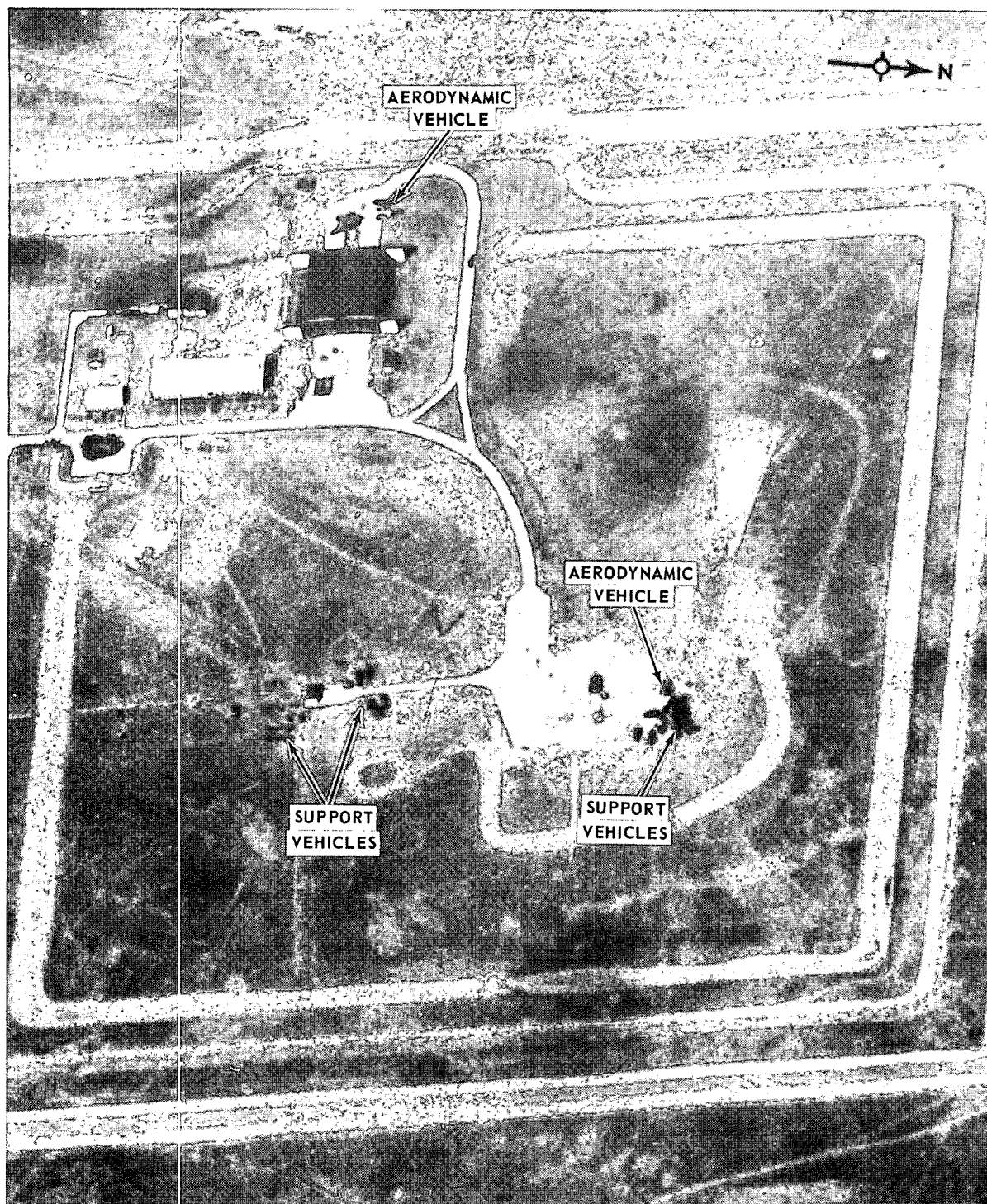
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 8



LAUNCH AREA 3D, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

NPIC L-1301 (7/66)

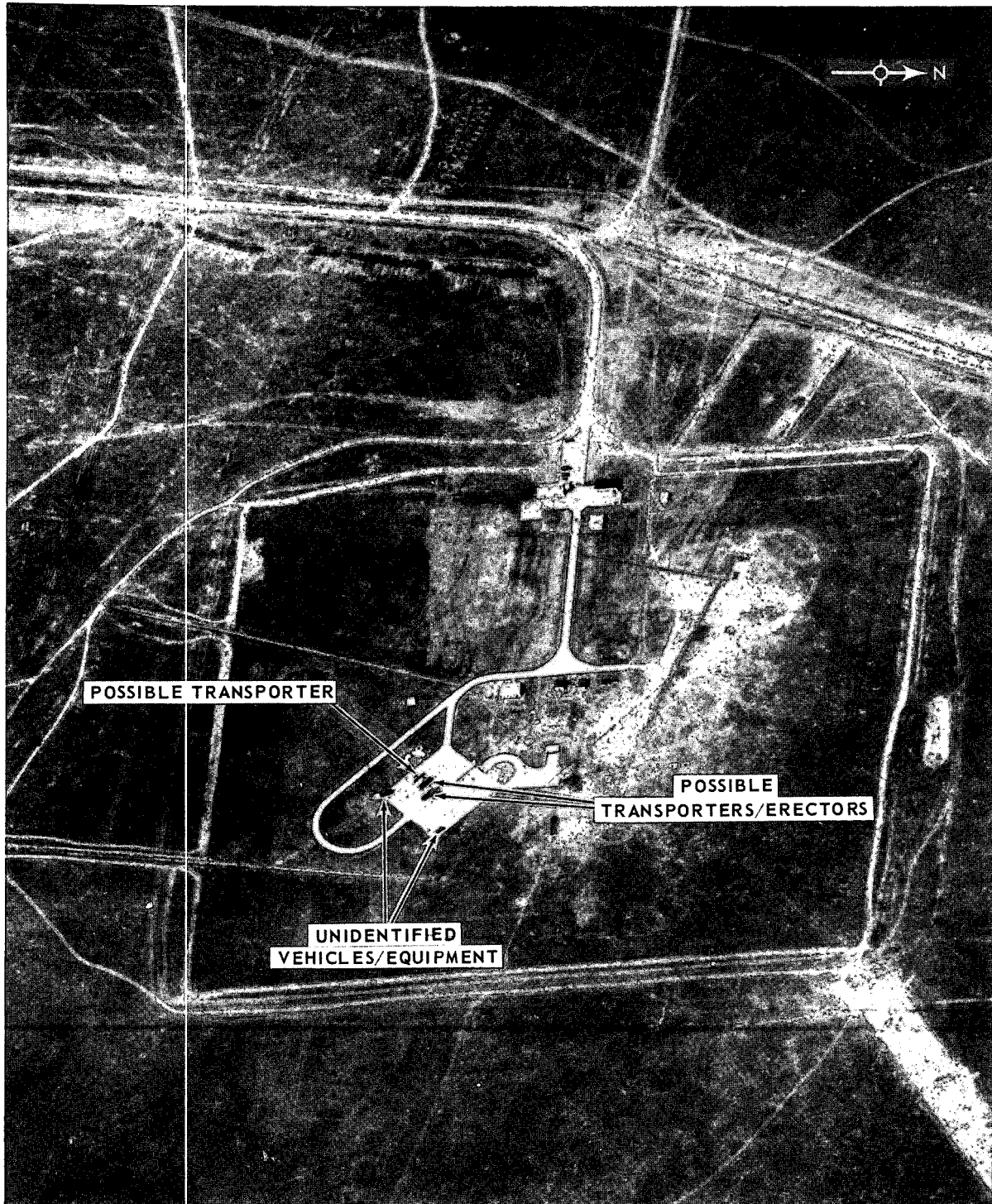
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 9



LAUNCH COMPLEX E, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

NPIC L-1302 (7/66)

TOP SECRET CHESS RUFF

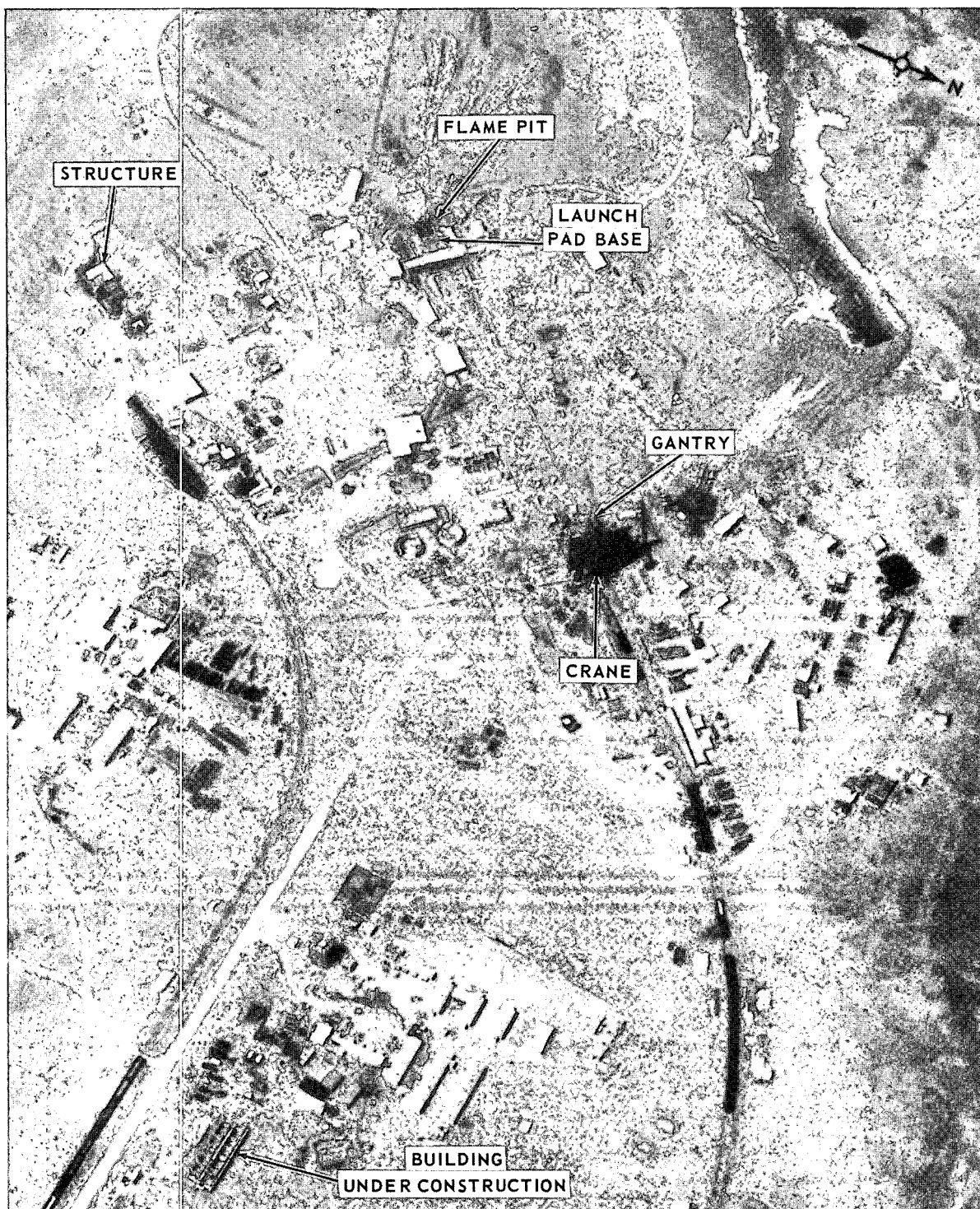
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 10

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LAUNCH COMPLEX B, SHUANG-CHENG-TZU MISSILE TEST CENTER, CHINA

NPIC L-1303 (7/66)

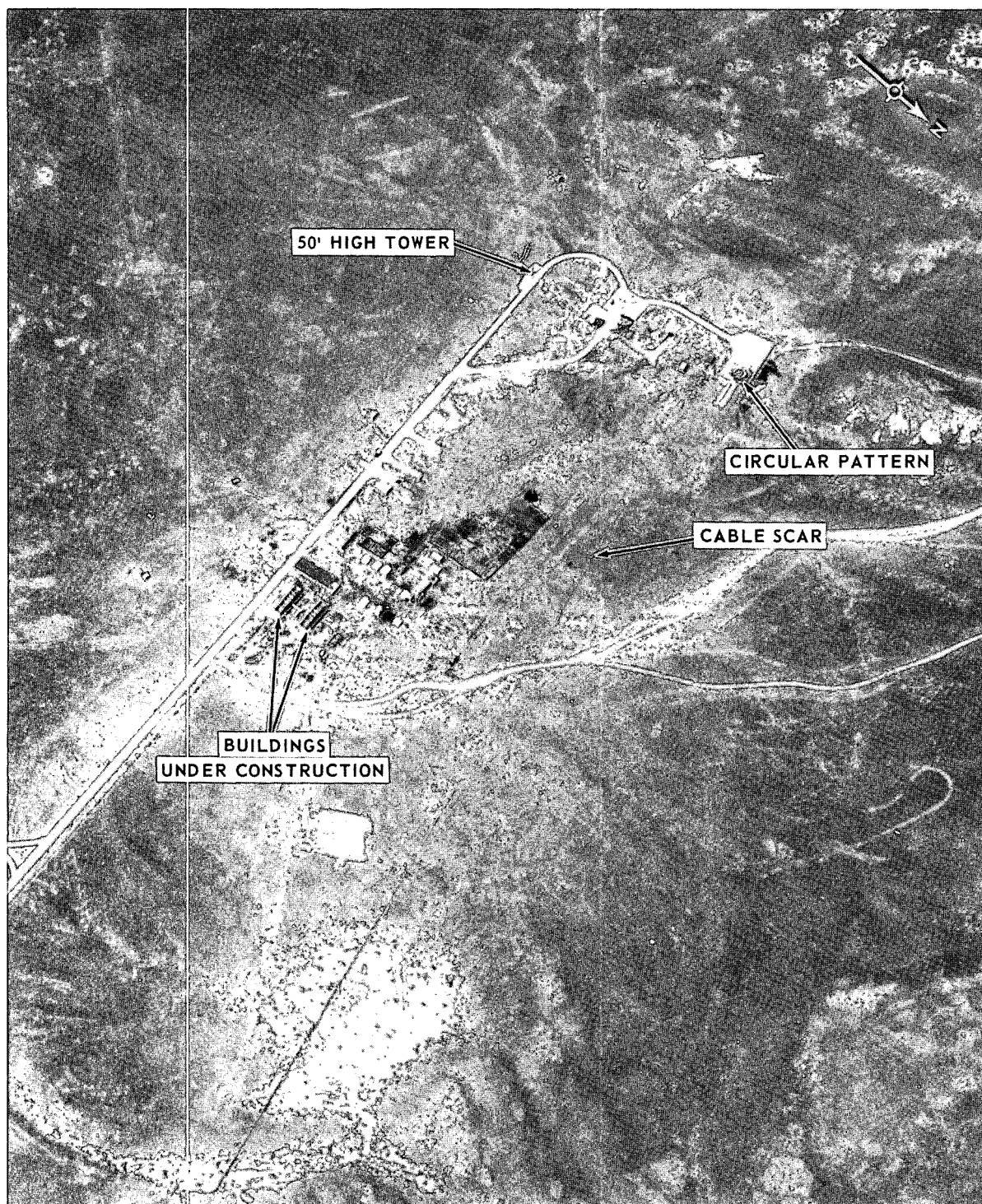
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 11



LAUNCH COMPLEX C, SHUANG-CHENG-TZU MISSILE TEST CENTER, CHINA

NPIC L-1304 (7/66)

TOP SECRET CHESS RUFF

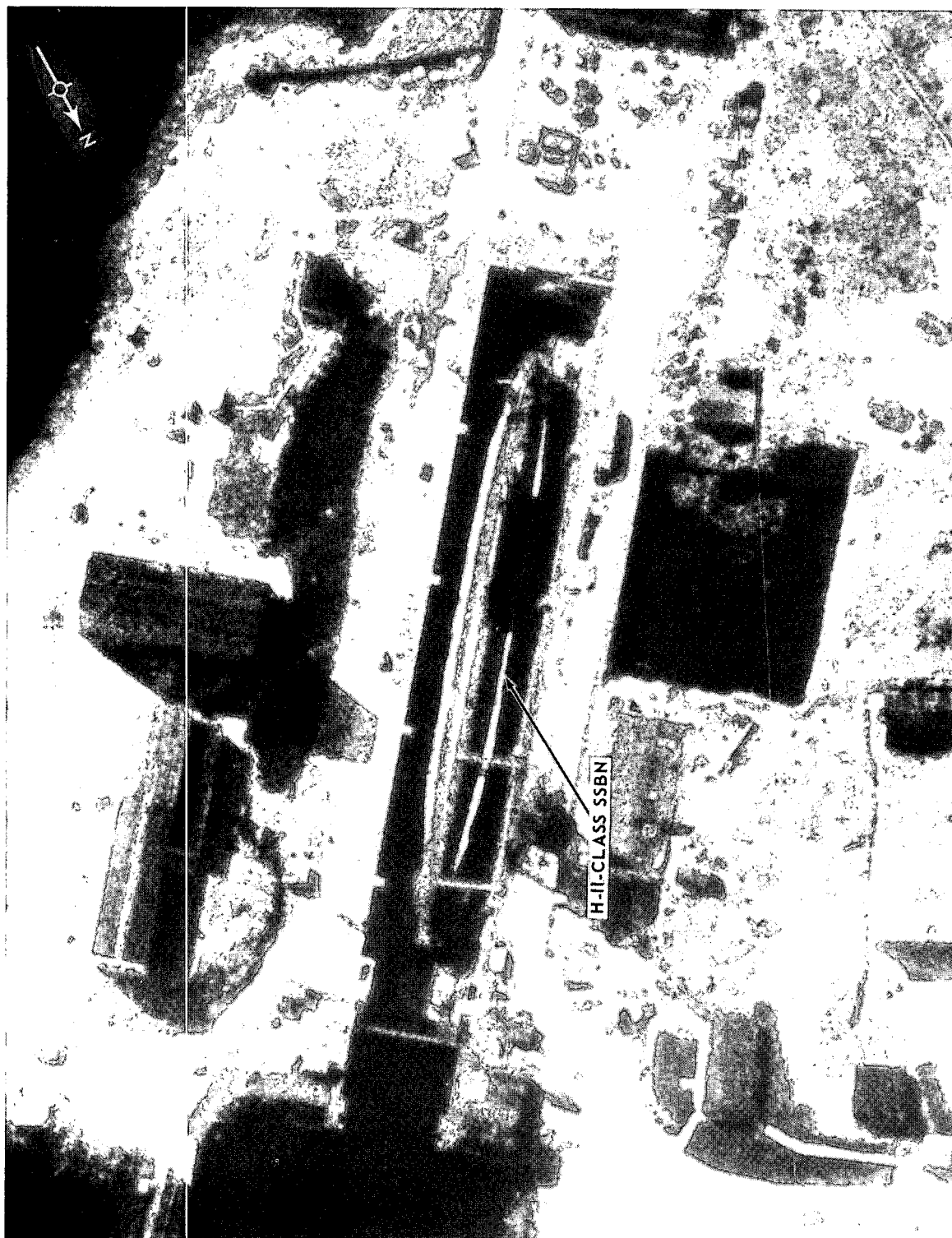
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 12

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NAVAL BASE AND SHIP REPAIR YARD, IOKANGA, USSR

NPIC L-1305 (7/66)

TOP SECRET CHESS RUFF

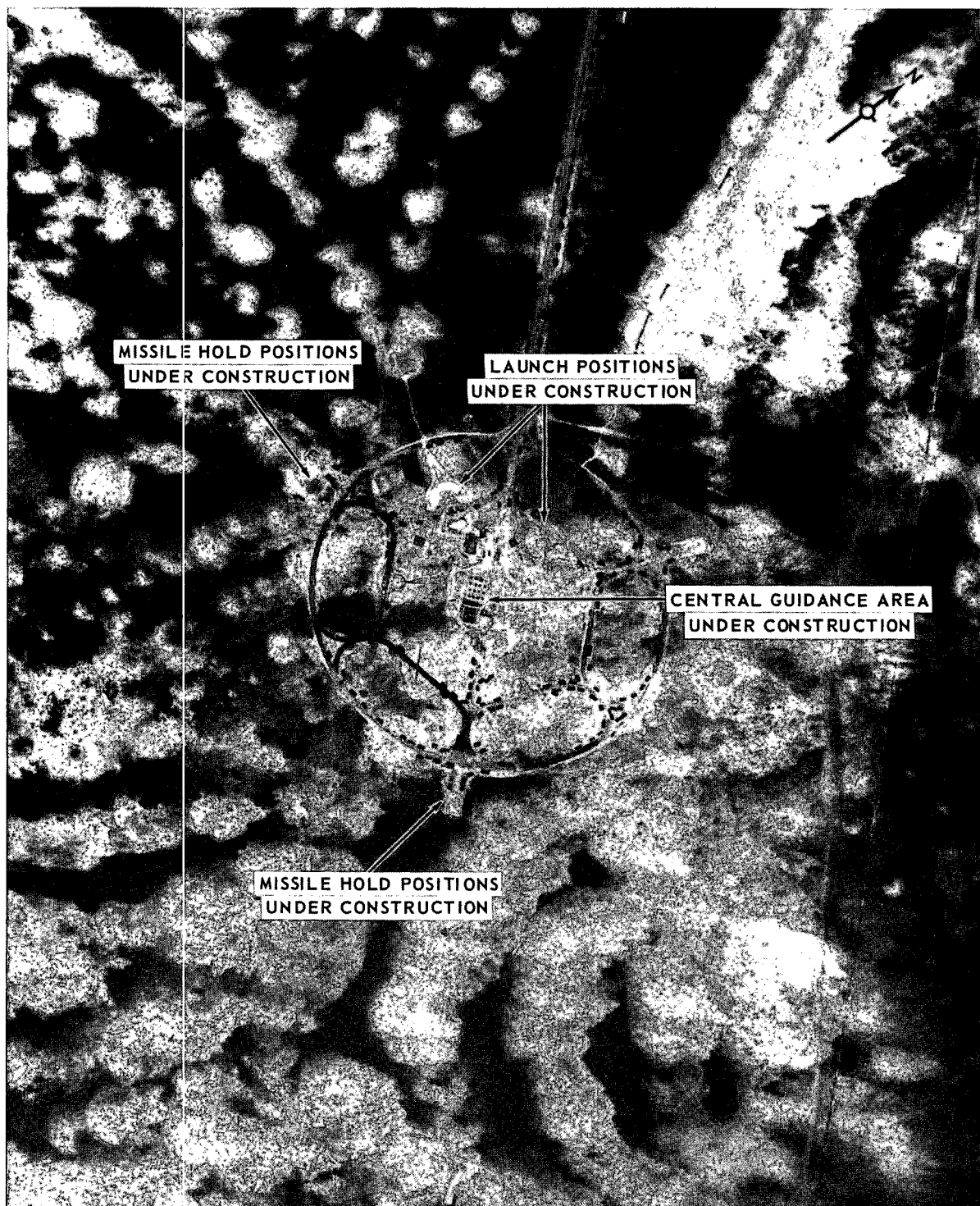
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 13



SA-2 SAM SITE, CALCUTTA, INDIA

NPIC L-1306 (7/66)

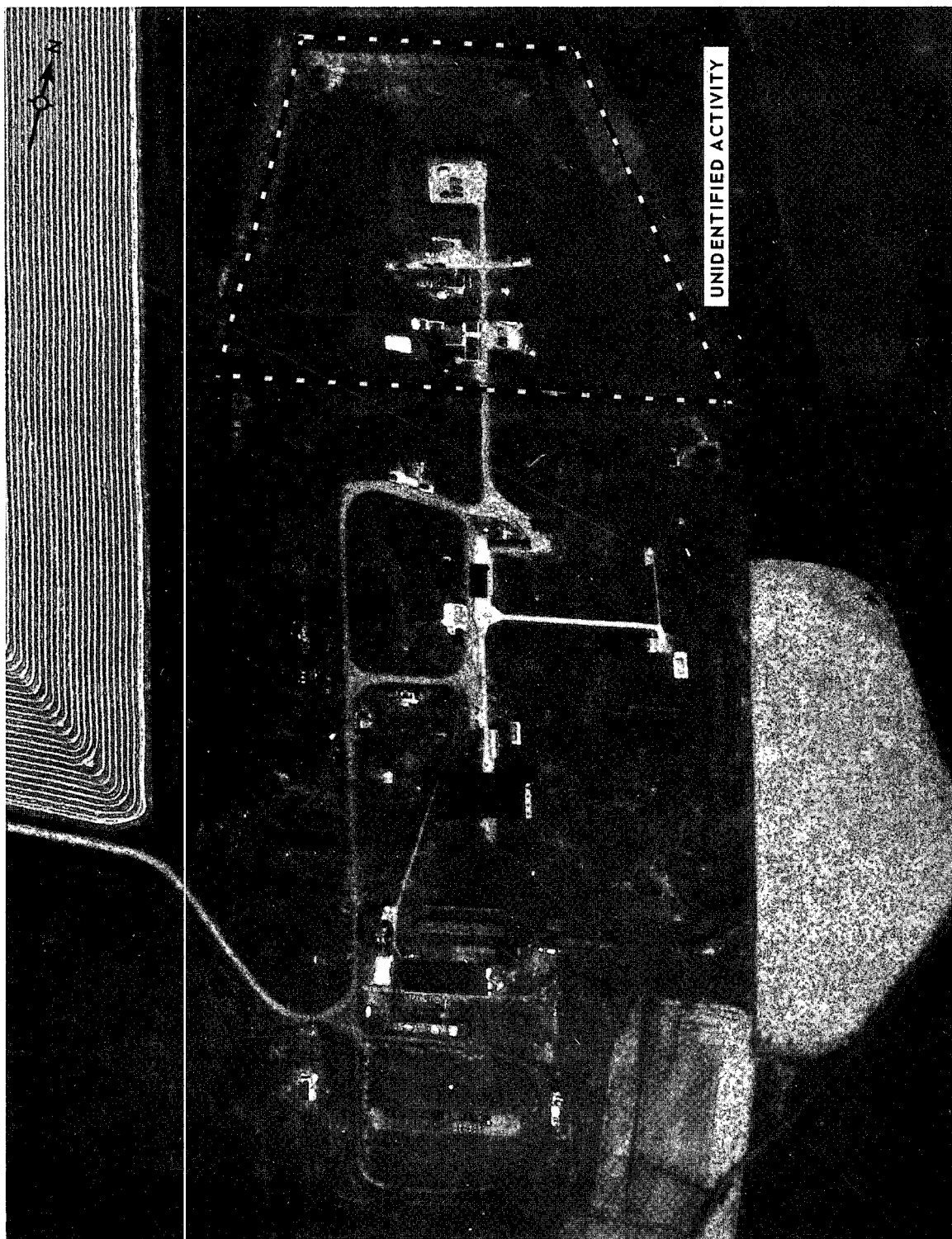
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 14



SAM SUPPORT FACILITY, KOTOVSK, USSR

NPIC L-1307 (7/66)

TOP SECRET CHESS RUFF

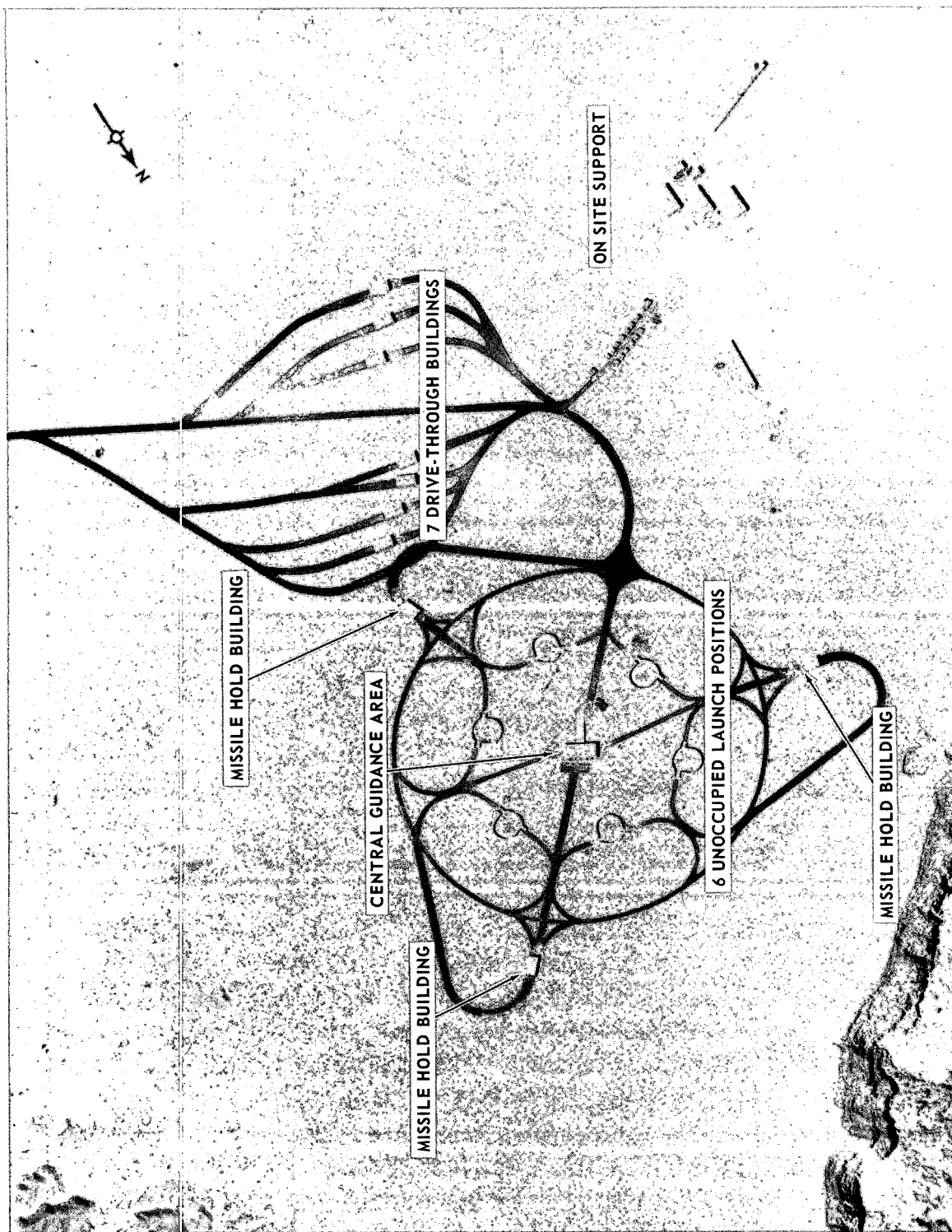
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 15

25X1



SAM SITE B33-2, AS SUWAYS, EGYPT

NPIC L-1308 (7/66)

TOP SECRET CHESS RUFF

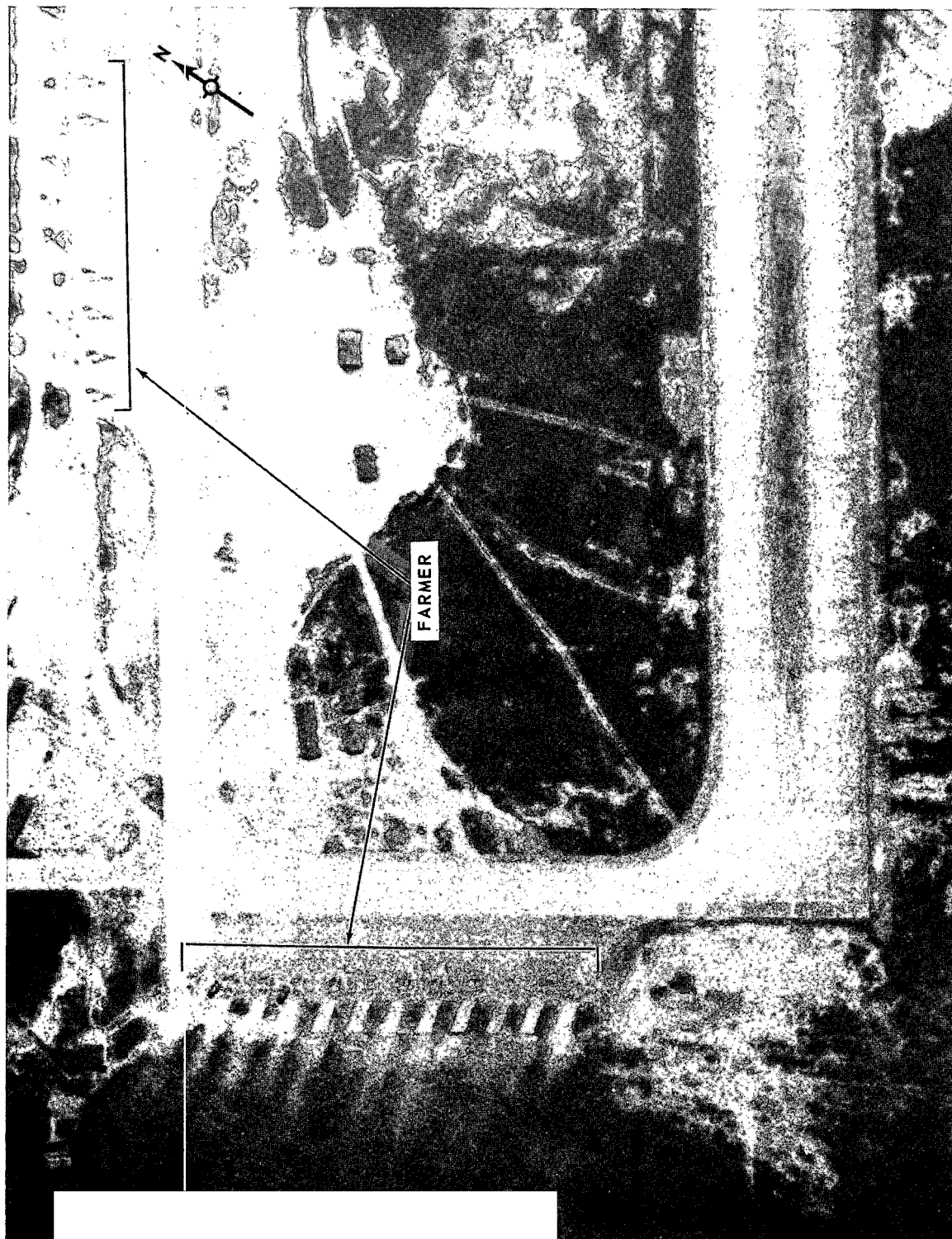
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TOP SECRET CHESS RUFF

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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 16



NAN-NING AIRFIELD SOUTH, CHINA

NPIC L-1309 (7/66)

25X1

TOP SECRET CHESS RUFF

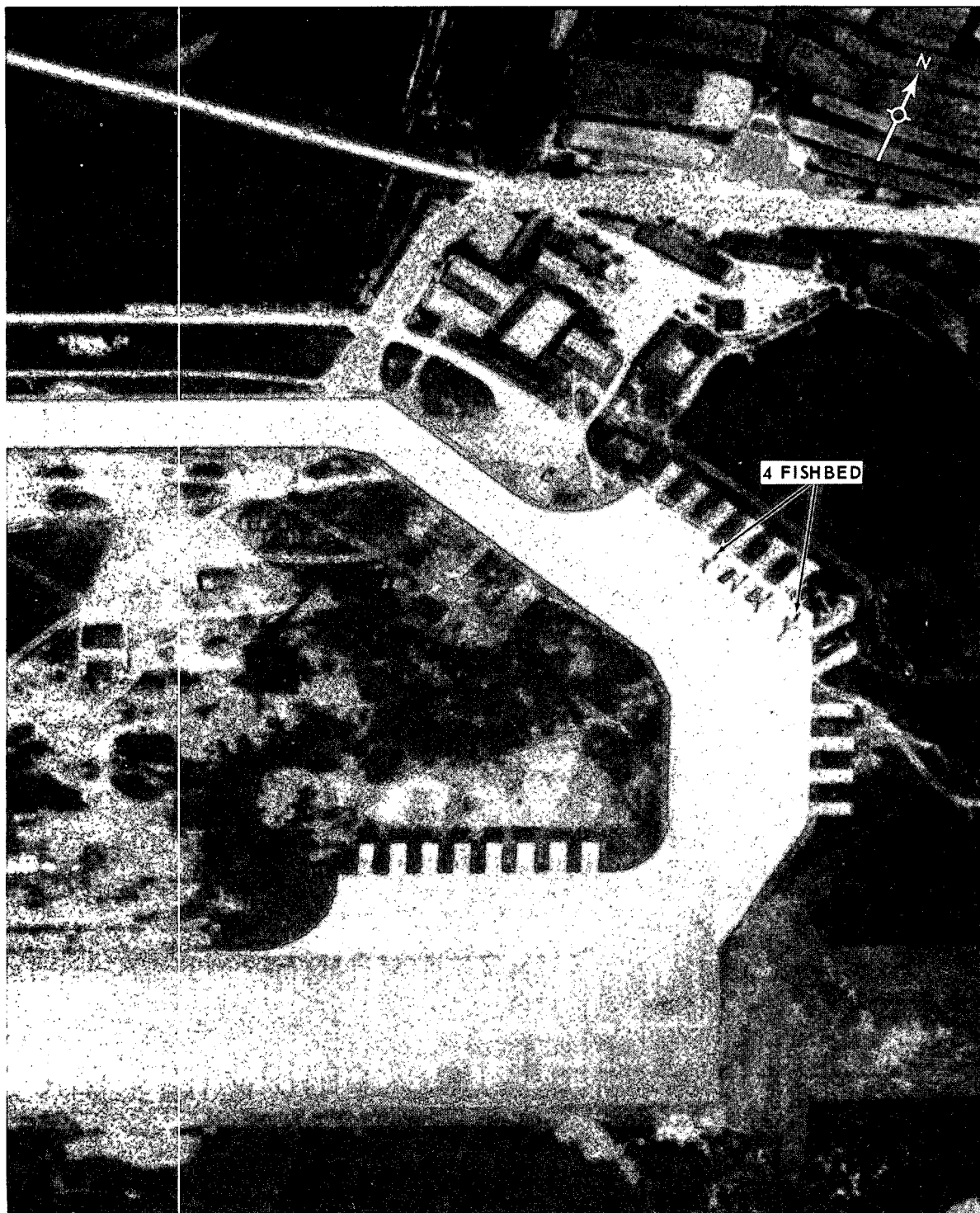
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 17



NAN-NING AIRFIELD SOUTH, CHINA

NPIC L-1310 (7/66)

TOP SECRET CHESS RUFF

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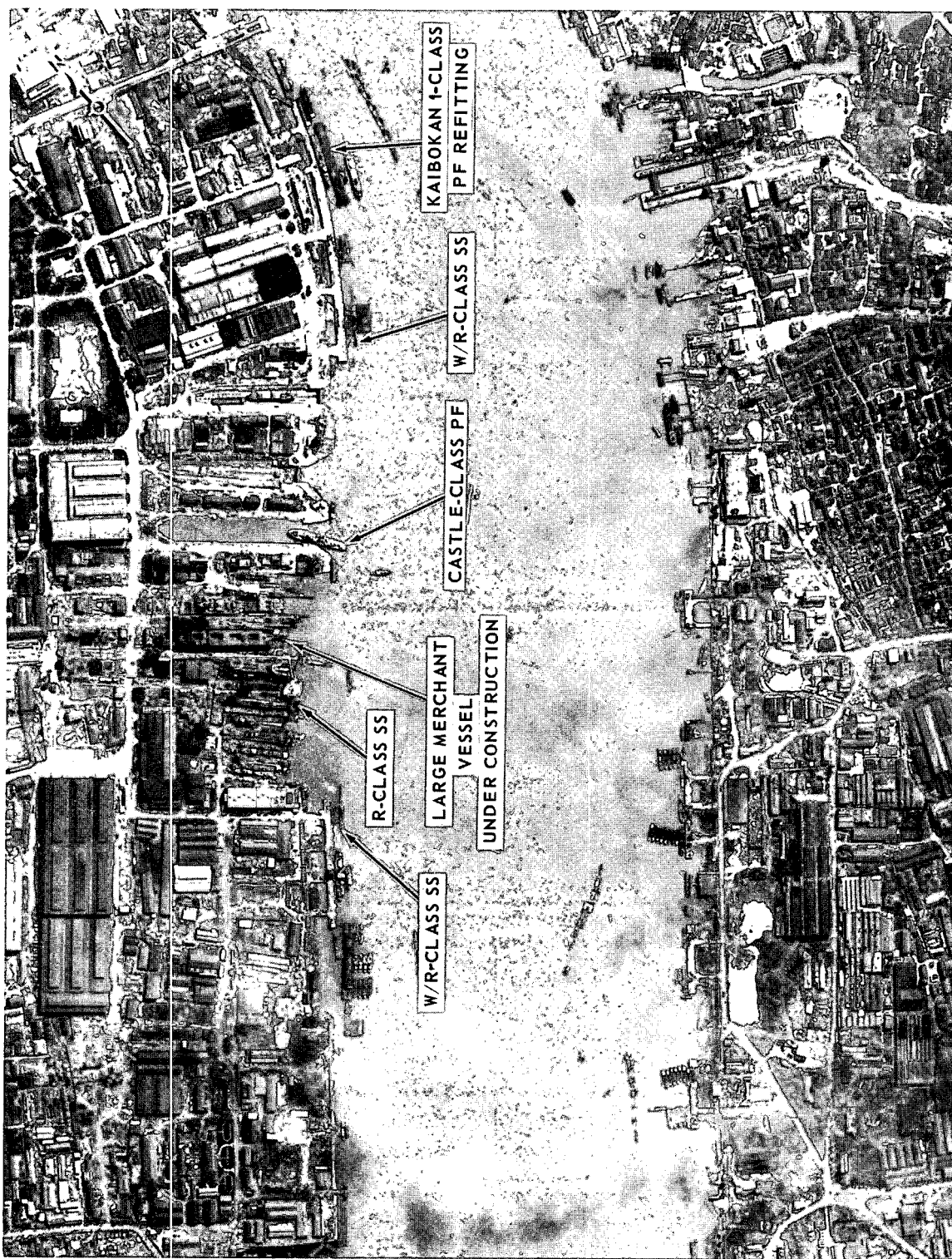
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MISSION 4030, 13-20 JULY 1966

ATTACHMENT 19

25X1

25X1



CHIANG-NAN DOCK COMPANY NAVAL BASE AND SHIPYARD, SHANG-HAI, CHINA

NPIC L-1312 (7/66)

25X1

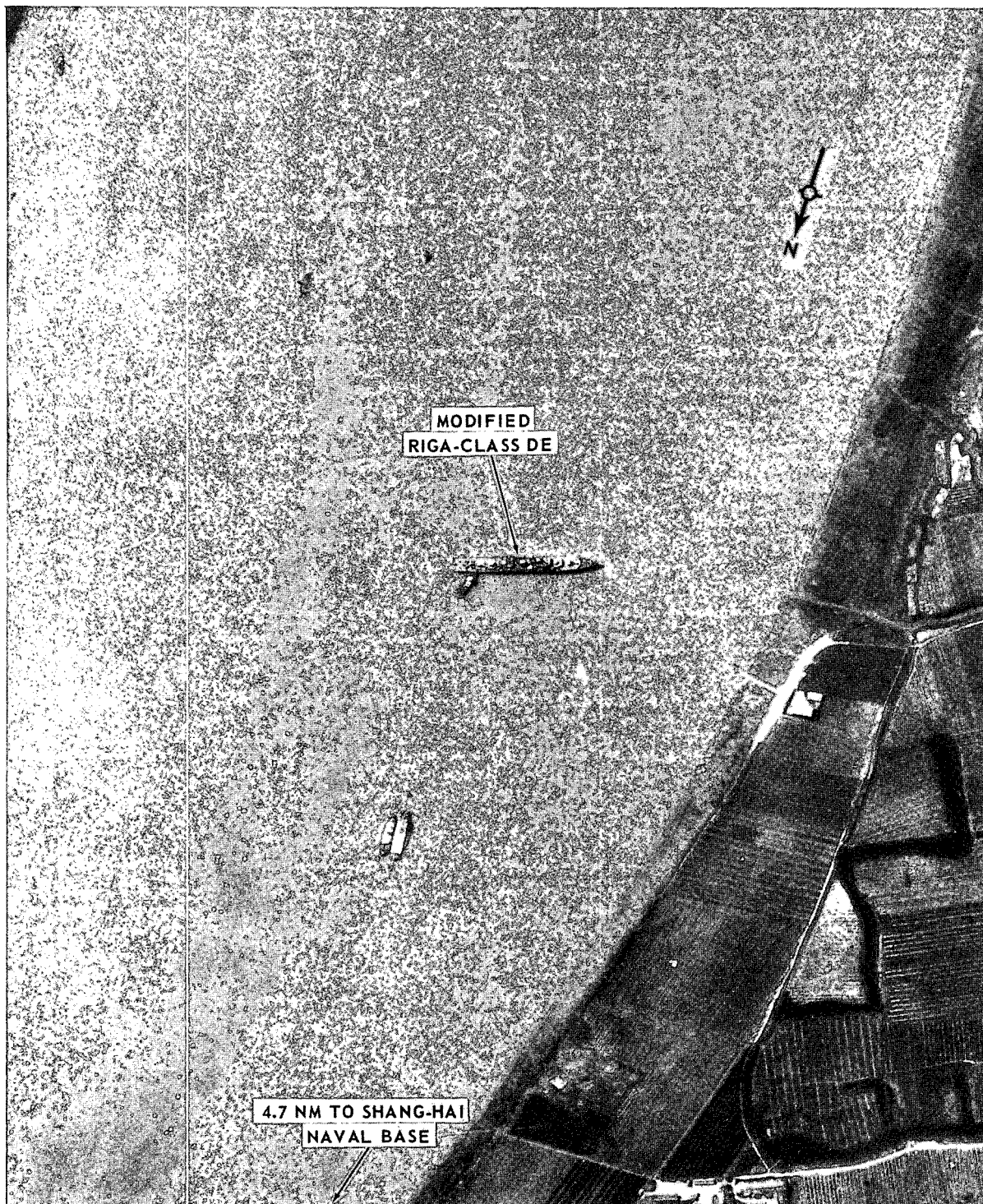
TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

ATTACHMENT 20

25X1
25X1



MODIFIED RIGA-CLASS DE, HUANG-PU CHIANG, CHINA

NPIC L-1313 (7/66)

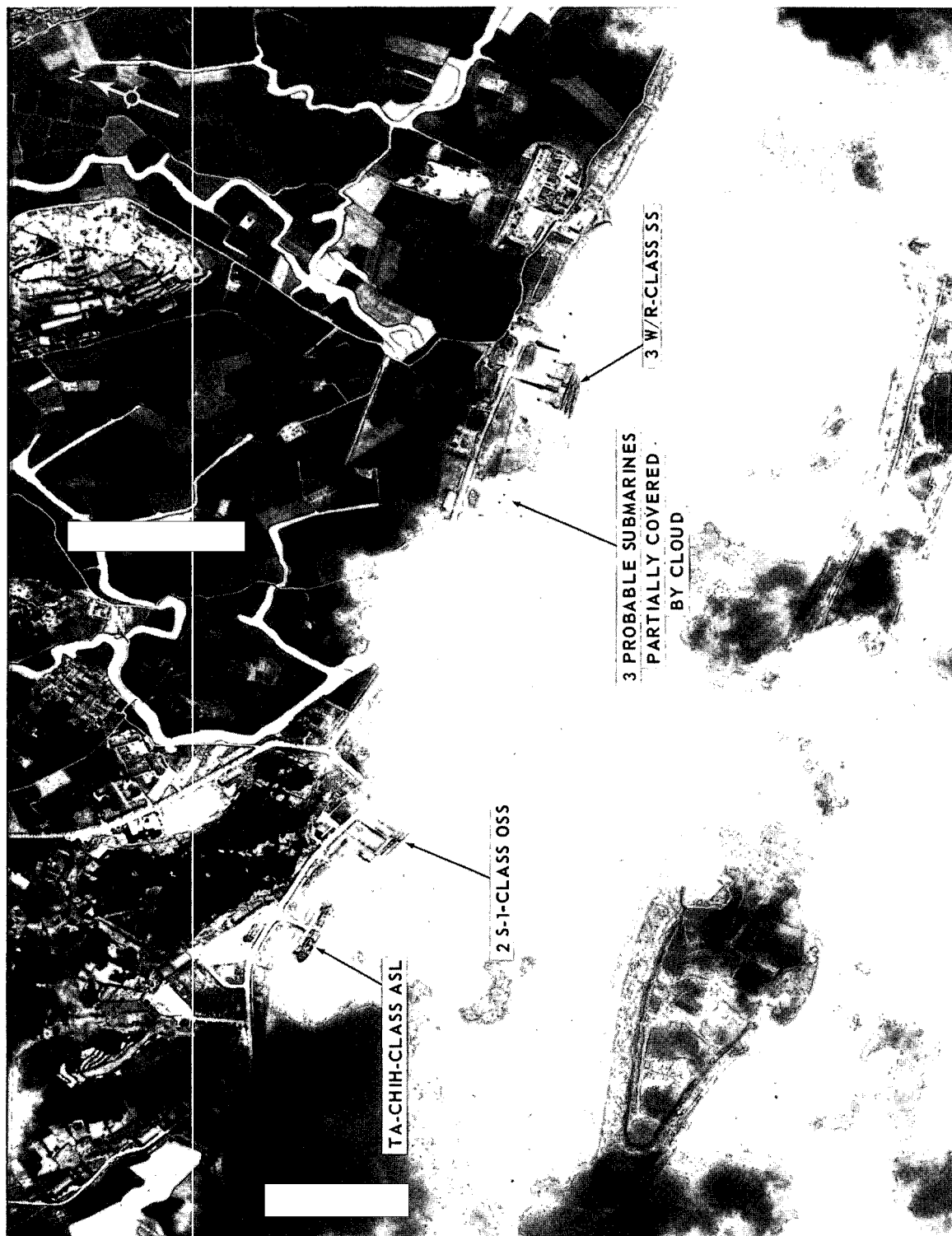
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

ATTACHMENT 21



NAVAL BASE, TA-HSIEH TAO, CHINA

NPIC L-1314 (7/66)

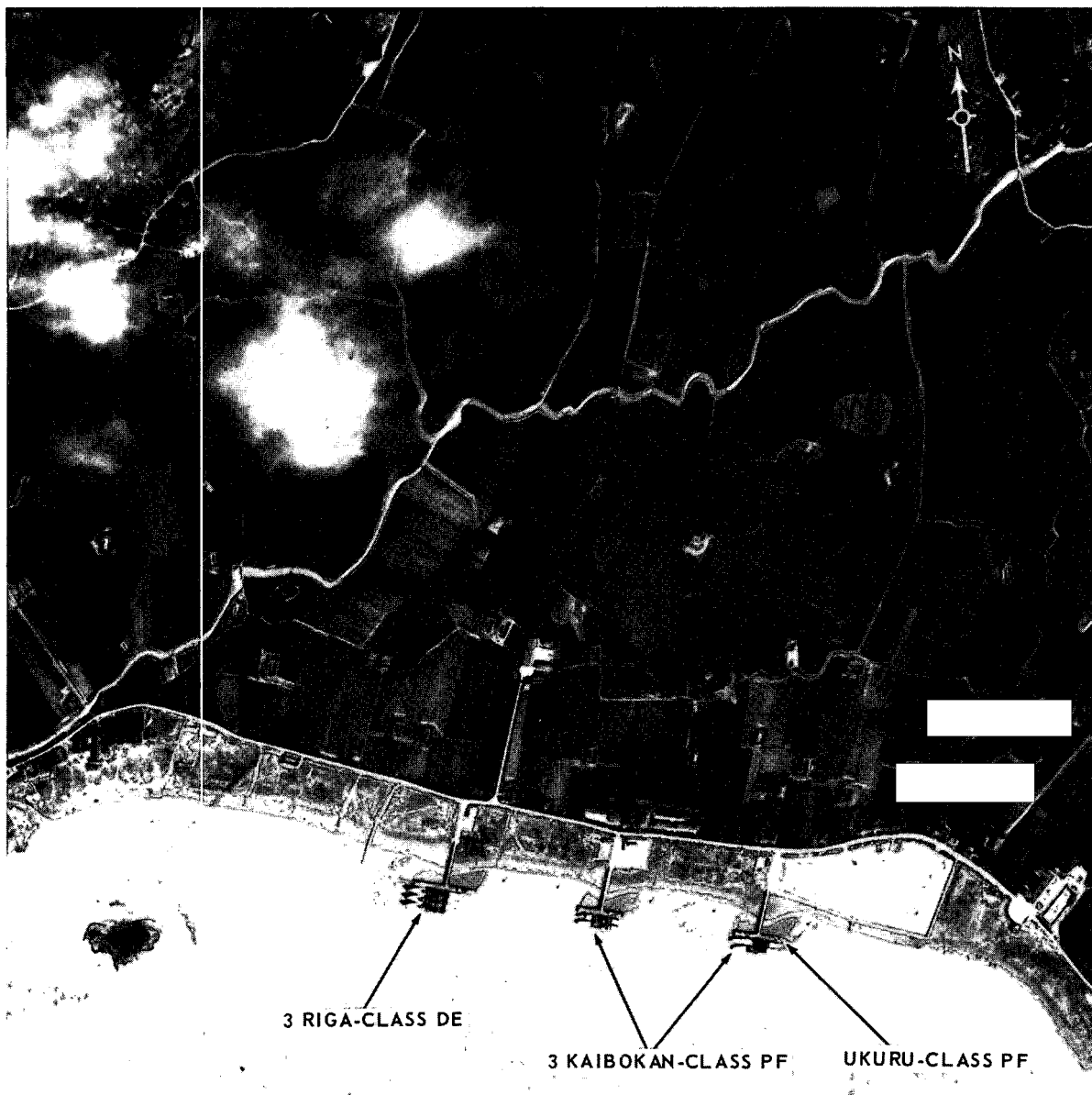
TOP SECRET CHESS RUFF

TOP SECRET CHESH RUFF

MISSION 4030, 13-20 JULY 1966

ATTACHMENT 22

25X1
25X1



25X1

25X1

PORT FACILITIES WEST

NAVAL BASE AND SHIPYARD, CHOU-SHAN, CHINA

NPIC L-1315 (7/66)

TOP SECRET CHESH RUFF

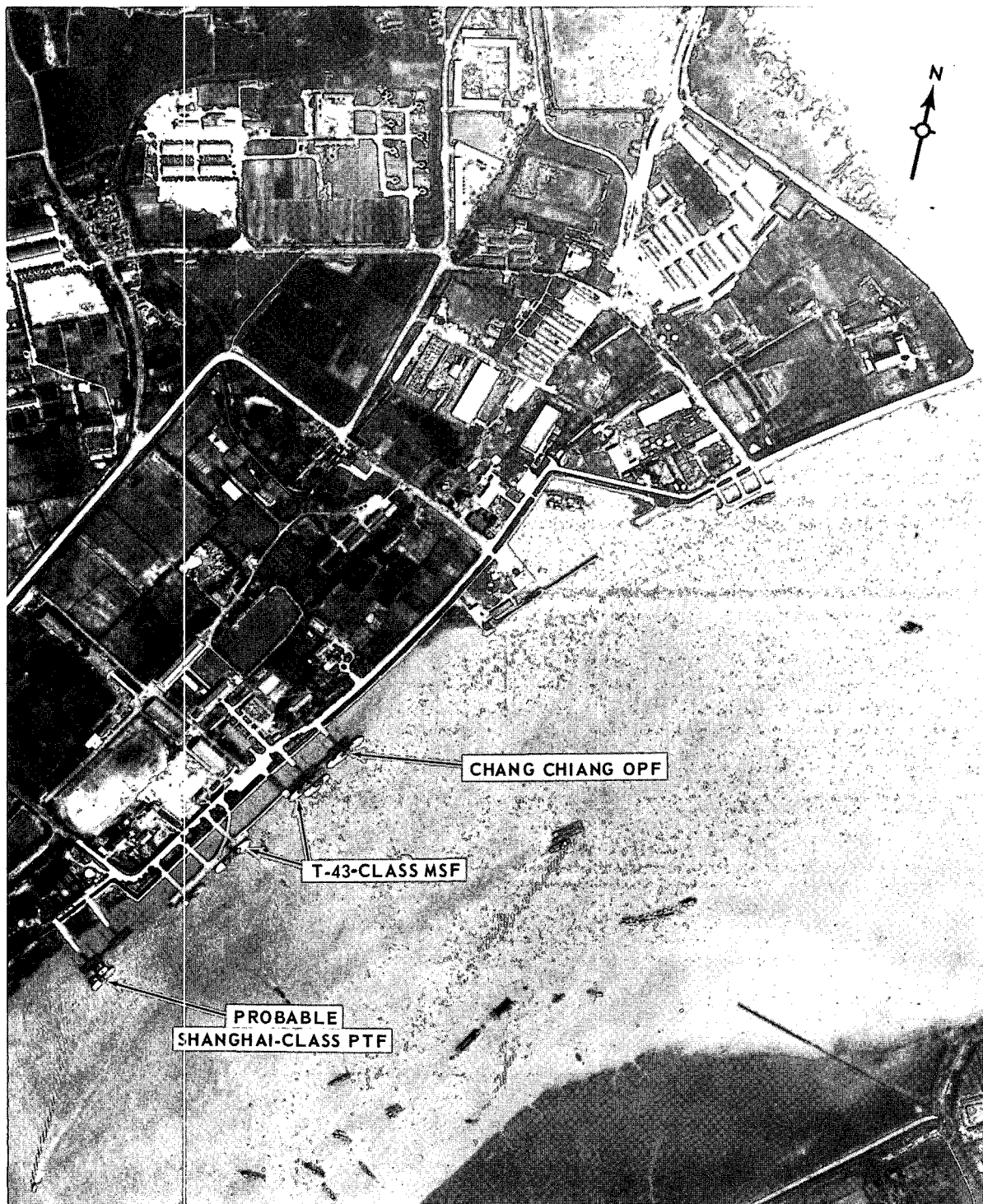
25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

ATTACHMENT 23

25X1
Z5X1



WU-SUNG NAVAL BASE, SHANG-HAI, CHINA

NPIC L-1316 (7/66)

TOP SECRET CHESS RUFF

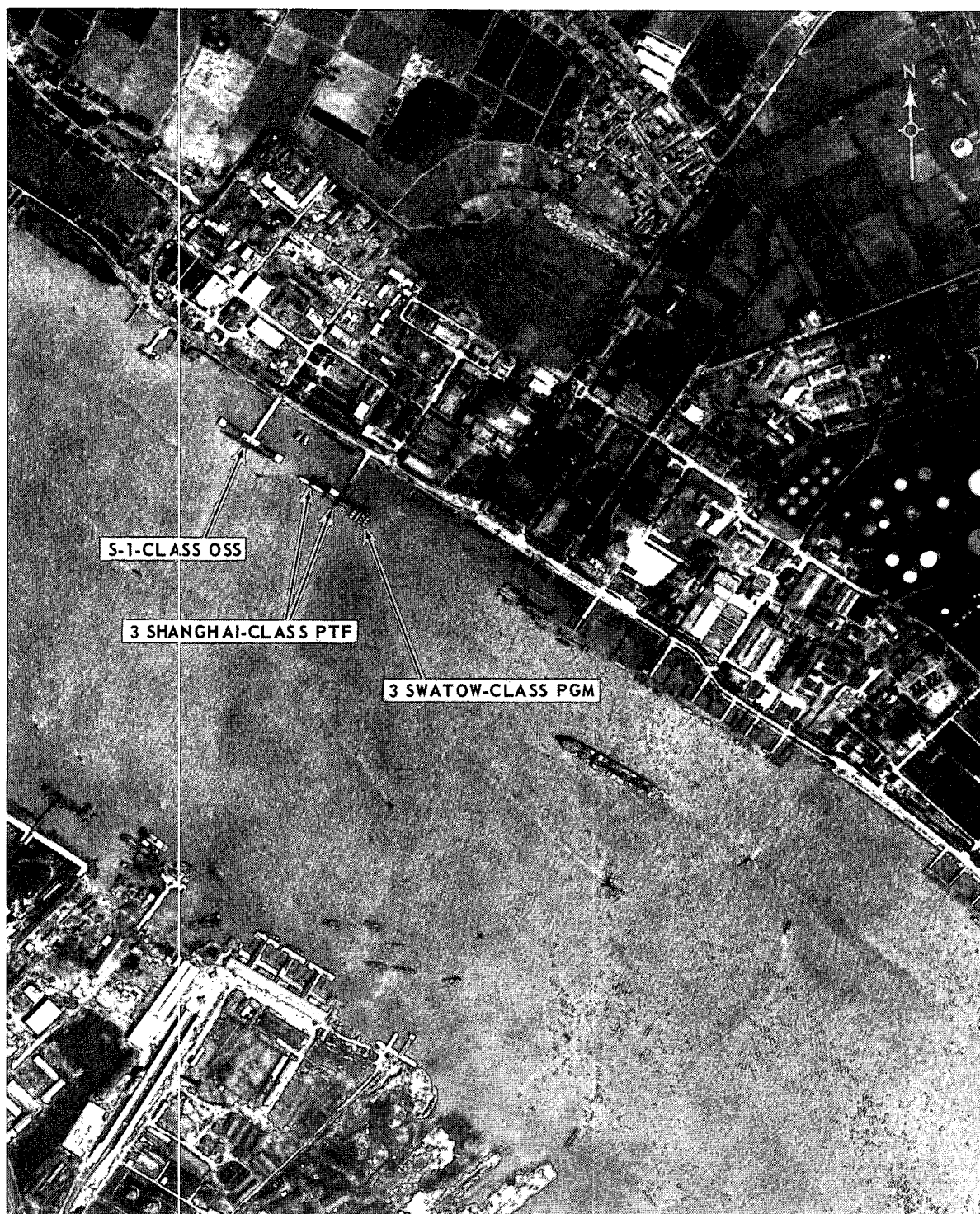
25X1

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

ATTACHMENT 24

25X1



KAO-CHIAO SUBMARINE PIER, SHANG-HAI, CHINA

NPIC L-1317 (7/66)

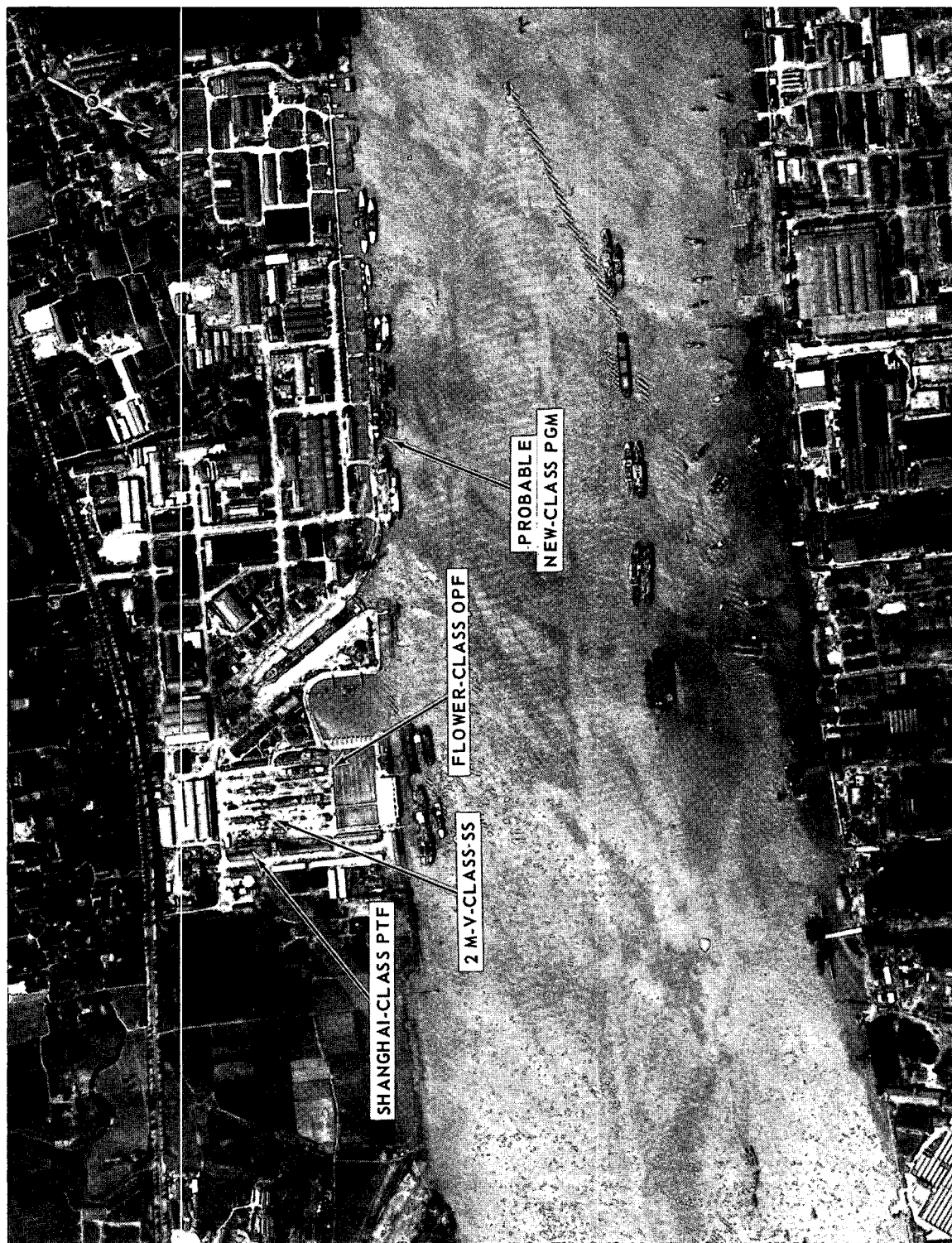
TOP SECRET CHESS RUFF

25X1

TOP SECRET CHESSE RUFF

MISSION 4030, 13-20 JULY 1966

ATTACHMENT 25



SHIPYARD EAST, SHANGHAI, CHINA

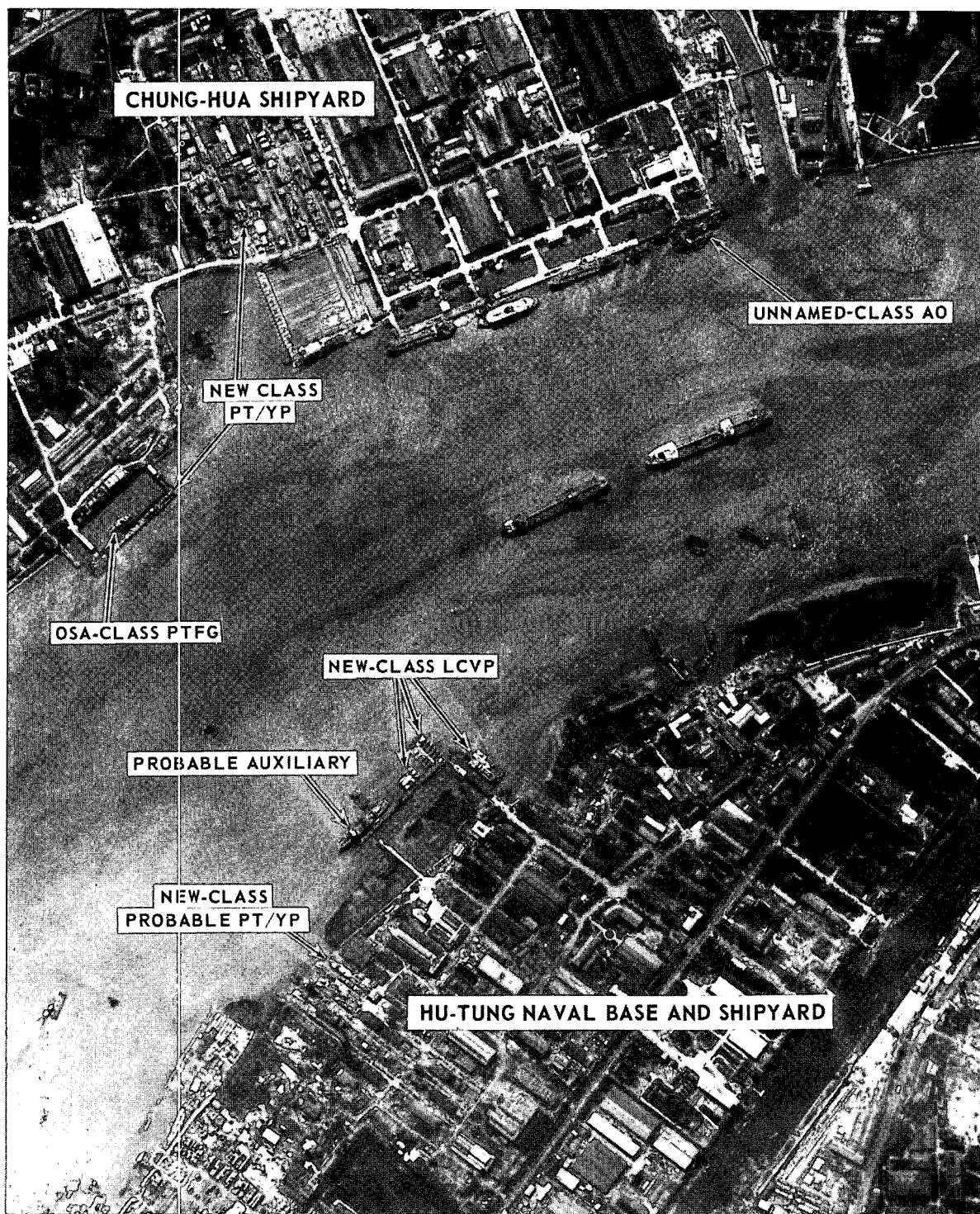
NPIC L-1318 (7/66)

TOP SECRET CHESSE RUFF

TOP SECRET CHESS RUFF

MISSION 4030, 13-20 JULY 1966

ATTACHMENT 26



CHUNG-HUA AND HU-TUNG NAVAL BASE AND SHIPYARD, SHANG-HAI, CHINA

NPIC L-1319 (7/66)

TOP SECRET CHESS RUFF

TOP SECRET

TOP SECRET